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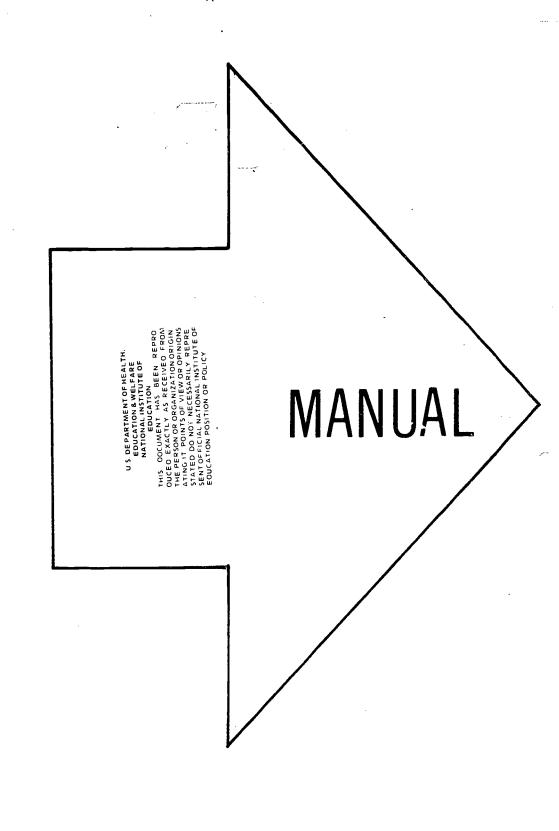
IDENTIFIERS Florida Language Profile: Title VI

### **ABSTRACT**

Described in the manual is the Florida Language Profile (funded through Title VI), a flexible set of performance sampling procedures for measuring language cognitive skills of children in kindergarten and grade 1 and remediating diagnosed disabilities. It is said that the Profile may be administered by the trained examiner or classroom teacher on an individual basis, preferably in the regular classroom. The complete kit is described as consisting of four functional units: the manual, materials, performance records, and the summary data sheet. Administration procedures are given for the following components in Part A: body parts concepts, right-left concepts, rote counting, and time, size and quantity, shape, position and direction, same-difference, clock time, negation, letter-number, and color-name concepts. Also, procedures are given for the following components in Part B: finding letters, naming upper and lower case letters, copying upper and lower case letters, finding letter sounds, writing letters, reading basic words, reading texts, naming numbers, number writing, counting numbers, identifying number sets, and saying and writing addition and subtraction facts. Instructions are provided for reporting results, delineating the learning disabled population, individualizing instruction, evaluating pupil development and instructional effectiveness, and analyzing learning style by the input modality and output effector. Appended are examples of performance records, summary data sheets, tables of rates/frequencies, and a table of accuracy. (MC)



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MANUAL

FLORIDA LANGUAGE PROFILE

1971 -- 1973

School Board of Alachua County, Florida James W. Longstreth, Superintendent Gainesville, Florida



### MANUAL

### FLORIDA LANGUAGE PROFILE

Ву

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With

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From

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Gainesville, Florida November, 1971 W. D. Wolking Elizabeth Nancarrow Dennis Ehrhardt Lucy T. Beckum



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### I. INTRODUCTION

The Florida Language Profile is a flexible set of procedures for directly measuring selected aspects of the language-cognitive skills of young children. The skills measured have been selected to represent behaviors which are crucial to understanding the teacher's instructions and achieving minimal success in kindergarten and first grade. They are the basic concepts and the rudimentary academic skills upon which early success in both school and the general community Failure to develop these skills at the expected age generally leads to a complex and long range set of effects, which include: loss of social reinforcement in school and community, feelings of unhappiness in school, negative attitudes toward self, a low disposition to engage in academic behaviors, and a high disposition to engage in behaviors which are not highly valued and may be disruptive in schools and in the general community. The Florida Language Profile is a system designed to make possible the early detection and prevention of deficits in language and cognitive development which, undetected, might lead to long standing negative consequences for the child's overall development.

This set of procedures is designed to help teachers meet the unique instructional needs of each pupil by giving the teacher the specific and relevant information required to individualize the instruction of the basic language concepts and beginning academic skills. Any skill deficits detected through the use of the Florida Language Profile will be defined as specifically as possible. It is assumed that all skill deficits are due to inadequate instruction until convincing evidence to the contrary is discovered. Any conclusions drawn from the Florida Language Profile are intended to lead directly to instructional decisions and actions. General diagnoses, labels, categories and all such practices which do not hold the instructor primarily responsible for the child's educational progress are deemed antithetical to the best interests of young learners and to our purposes with the Florida Language Profile.

# For Whom is the Florida Language Profile Designed?

The Florida Language Profile is designed for children who are preparing for beginning academic instruction. The major focus of this edition of the Profile is on kindergarten and first grade children, but it may be given to any children between the ages of four and nine if the job of individualizing instruction on the early academic tasks is relevant. It is designed to be used with all children, not only children with special problems. When any child enters a formal educational system it is important to assess the basic language-cognitive skills so that intelligent decisions may be regarding what to teach, at what level to start, what skills the child may be counted upon to use in the instructional process, and what learning syles the child has developed.



### Who Will Administer the Florida Language Profile?

The Florida Language Profile may be administered by a trained examiner or by the classroom teacher. During the period of the field research edition, it will often be given by a specially trained aide or assistant. When the procedures are used as the basis for individualizing instruction or designing remedial instruction, the classroom teacher will benefit most from it if she has administered it herself. The direct experience of each child's performance on the Florida Language Profile will provide a richer and more vivid basis for planning than will a study of the summarized results.

When the primary purpose of the Florida Language Profile is to screen for children to be placed in specialized learning environments, it may be administered either by the teacher who will teach the selected children or by the various classroom teachers.

# Where is the Florida Language Profile Given and how Long Does it Take?

When evaluating the performance of a child, it is important to sample the behavior under the general circumstances which exist when the behavior is usually emitted. Since the Florida Language Profile measures basic concepts and beginning academic skills, it is recommended that the Profile be individually administered in the child's regular classroom. If special circumstances make this seem to be an unwise choice, then find a setting as similar to the child's regular classroom as possible.

The time of administration varies with the speed and range of skills of the child being examined. An experienced examiner takes about half an hour with the typical child. Some children will only take 25 minutes, and some will take 40 minutes.

# What Does the Florida Language Profile Do?

These procedures are designed to provide <u>direct observations</u> and <u>precise</u> <u>measures</u> of the language behavior of young children. The observations and measures may be used for three primary purposes: 1) to identify children with needs which may require their assignment to special educational programming; 2) to enable the teacher to design individualized instructional programs for every child, even those children remaining in regular class; and 3) to evaluate the results of instructional programs on language development. Thus, the <u>Profile may be used in selection</u>, educational programming, and evaluation of programming.

The selection task is accomplished by providing normative data with which to compare the child's performance. Various local criteria may be applied to actually select those children ast likely to benefit from special programing. The Florida Language Profile enables the teacher to design individual instructional programs by telling her exactly what the child knows and does not know in the areas of basic language concepts and beginning academic skills. And it may be readmininstered at any desired time intervals in order to evaluate the child's progress by comparing his present performance with his earlier performance.



### What are the Unique Features and Contributions of the Florida Language Profile?

There are several general features which should be emphasized. First, the Florida Language Profile is designed to measure the language behavior of all children about to enter organized instructional programs, not just the behavior of those children suspected of having severe deficits or problems. It is meant to be analogous to the physical exam which is given so that individual prescriptions may be made to promote the health of every child. The Florida Language Profile provise a picture of the language behavior of the child so that individual instruction may be given to promote the maximal language development of every child.

Secondly, the FLP incorporates several recent advances in the field of human behavioral measurement and avoids some of the practices which have not proved satisfactory in traditional psychoeducational tests. In fact, the FLP has not been designed as a "test", but rather as a set of procedures for obtaining repeated samples of children's behavior in natural settings. The basic procedure is performance sampling. These and related procedures may provide the benchmark for the next generation of educational measures.

Finally, the FLP has been brought to its current form by including practicing teachers in the development of the procedures at every stage. Classroom teachers suggested most of the language skills which are sampled. They critically evaluated two earlier forms of the FLP, and they contributed many practical ideas for administering and scoring the procedures.

Some specific and unique features of the Florida Language Profile are:

- 1. It measures behavior directly. This means the results are face valid and it eliminates the need for making inferences and predictions when using the results. Without the need for specialized interpretations of scores, there is no need for psychometrists or psychologists to make the results meaningful to teachers.
- 2. The performance samples may be repeated at frequent intervals to insure that typical behavior has been measured or at longer intervals to evaluate change. Tests which are administered on only a single occasion may obtain quite a typical results, especially with young children.
- 3. Since the materials of the FLP include only the common stimuli and language symbols and signs of the culture, there is no need to keep them a secret. It is not really possible for the child to cheat on these procedures considering that any skill demonstrated during their administration is directly usable as a valued skill in the larger culture.
- 4. Frequency is used as the basic unit of measurement. Frequency is defined as the number of performance units divided by the number of minutes of observation. It has been demonstrated that frequency



is usually a more sensitive measure than the traditional educational measures, count and percent. As a more sensitive measure, it is more likely to reflect behavioral effects of smaller changes in the conditions of instruction.

- 5. It measures for fundamental aspects of performance: speed (level), and accuracy, and the changes in speed and accuracy over time. All four aspects are presented in an easy to comprehend visual Summary Data Sheet. Most psycho-educational measures reflect one aspect of performance only.
- 6. The Scoring and reporting procedures always remain essentially descriptive. Specific and detailed information is provided. Scores are not combined into an overall IQ or other summary score or label or category. Label and categories exact too high a price because they so often lead to oversimplification and pejoration, and always lead away from individualized instruction.
- 7. The FLP combines the best features of both normative and criterion referenced measurement procedures.



# II. DESCRIPTION OF THE FLORIDA LANGUAGE PROFILE KIT

A complete Florida Language Profile kit consists of four functional units: the manual, the materials, the performance records, and the Summary Data Sheet.

# Manual

The manual introduces the procedures and their purposes, describes the complete Florida Language Profile kit, gives specific standard instructions for administering the FLP, describes various ways to make use of the results, and supplies relevant technical specifications, references and appendices.

# <u>Materials</u>

The materials are the input stimult to which the child responds. The materials are divided into two parts, A and B, which are bound in separate booklets. Part A, the Basic Language Concepts, includes twelve behavior samples:

- I. Body Part Concepts
- II. Right-Left Concepts
- III. Rote Counting Concepts
- IV. Time Concepts
  - V. Size-Quantity Concepts
- VI. Shape Concepts
- VII. Position-Direction Concepts
- VIII. Same Different Concepts
  - .IX. Clock Time Concepts
    - X. Negation Concepts
- XI. Letter-Number Discrimination Concepts
  - XII. Color Name Concepts

These are the general concepts upon which teachers build instructional programs for more complex language and cognitive skills. Those children who do not understand them are likely to have difficulty following the directions or programs well enough to profit from the instruction.

Part B, the Basic Academic Skills, includes sixteen behavior samples:

- I. Finding Letters
- II. Naming Upper Case Letters
- III. Naming Lower Case Letters
- IV. Copying Upper Case Letters
- V. Copying Lower Case Letters
- VI. Saying Letter Sounds
- VII. Writing Letters



VIII. Reading Words

IX. Reading Texts

X. Naming Numbers

XI. Writing Numbers

XII. Counting Objects

XIII. Identifying Number Sets

XIV. Saying Addition Facts

XV. Writing Additon Facts

XVI. Saying Subtraction Facts

These tasks comprise some of the important behavioral components of such complex language skills as reading, spelling, writing, and mathematical computations.

Part B, also includes four worksheets, numbered 1 through 4. Worksheet 1 is for copying upper case letters, worksheet 2 for copying lower case letters, worksheet 3 for identifying number sets, and worksheet number 4 is for writing addition facts. (Sample copies appear in Appendix A).

Performance Records----There is a separate Performance Record for Part A and Part B. The Performance Record is used to record the specific successes and failures for each performance sample. Each one is designed to accommodate this information for four complete administrations of the Florida Language Profile. Thus, it provides a permanent record of the child's specific performance on each occasion the Florida Language Profile is given. This record makes it possible for the teacher to see at a glance which concepts or skills the child knows (always gets correct), those he is unsure of (sometimes misses and sometimes gets correct), and those he does not know (always misses). The unsure and incorrect concepts or skills provide direct suggestions for instructional pinpoints. The Performance Records also make a record of the child's improvement.

Instructions for filling out the Performance Records appear in section III under the side heading Reporting the Results: Performance Records A and B. Copies of the Part A and Part B (Performance Records appear in Appendix A).

Summary Data Sheets are used to present a numerical description of the child's performance on the Florida Language Profile. The Summary Data Sheet is most useful in comparing the child's performance with the performance of children in a relevant norm group as well as with the child's own past performance for indications of change. Instructions for plotting the Summary Data Sheet appear in section III under the side heading Reporting the Results: Summary Data Sheets A and B. (Copies of the Summary Data Sheet appear in Appendix B).



### III. ADMINISTERING THE FLORIDA LANGUAGE PROFILE

The FLP is a set of procedures for making observations of children's behavior using standardized conditions and materials. However, not all of the relevant conditions have been standardized, such as the general classroom environment. This will help make the results more meaningful to teachers because the child will perform under typical classroom conditions.

The person administering these procedures during the experimental phase has an important public relations job to perform. The procedures are new and so may be under especially close scrutiny. Their uniqueness may evoke a critical attitude in some people. It is most important that an open and undefensive posture be maintained. Questions should be answered as openly and fully as possible. It is our goal to "demystify" diagnostic evaluations and these procedures in particular. These procedures are not for "specialists" and "experts," they are for the teachers and the children. Each of you is in the position of developing new methods which are part of several new trends in behavioral assessment. Your behavior will make an important contribution in determining the public's response to these methods.

### Equipment

Very little specialized equipment is needed to administer the FLP to individual children. Most of the equipment is supplied as part of the FLP kit. which includes:

- 1. Manual
- 2. Part A materials booklet
- 3. Part B materials booklet
- 4. Worksheets, numbered 1 (IV-B), 2 (V-B), 3 (XIII-B), and 4 (XV-B)
- 5. Sheets of primary writing paper
- 6. Performance Records for Part A
- 7. Performance Records for Part B
- 8. Summary Data Sheets for Part A
- 9. Summary Data Sheets for Part B
- 10. A small case to hold the above equipment.

In addition to the materials supplied with the kit you will need:

- 1. A stop watch or suitable substitute for timing short intervals to the second.
- 2. A pencil for recording observations on the Performance Records.



- 3. Black and red felt tip (fine point) markers for recording on the Summary Data Sheets.
- 4. A primary pencil without an eraser for the child to use.

It is convenient to have a separate folder or case in which to keep the Performance Records and Summary Data Sheets which are not completed.

In addition, each examiner will need a set of 30 sight word flash cards for performance sample VIII-B. These cards are not supplied with the present kit, but may be made by placing the words listed in the manual for this performance sample on individual two by four inch index cards. The words should be printed in lower case letters 3/4 of an inch high.

# Preparing the Child

It is important to arrange favorable conditions in the general setting before giving the FLP. This includes establishing good rapport with the child's teacher, if you are not the teacher; developing a comfortable and reinforcing relationship with the child; selecting a suitable time; making sure there is an appropriate place; and finding comfortable furniture for the administration of the procedures.

Let the teacher know ahead of time which children will be needed and work out a schedule together. Explain the nature and uses of the FLP clearly. Point out the specific kinds of information the teacher may obtain on each child who takes the FLP and the uses that may be made of this information. See section IV of the manual for a complete discussion of the uses.

The time may be an important issue with certain children. Some are too cranky or tired just before lunch or at the end of the school day. Others may be fine at these times. The teacher will help you with timing problems.

Absolute quiet and freedom from the movement of other children are not usually necessary, since the samples are to be taken under more or less typical classroom conditions. However, the child will need to be free from gross interruptions since the samples are all timed.

Try to arrange to have the child sit in a chair that is the proper size at a table that also fits well. Most examiners find it best to sit on the child's left or across the table from the child while giving the FLP. Make sure you have enough space to spread out the materials and forms you need.

Be friendly and supportive with the child. Speak clearly, slowly and use a low pitched voice. Freely proise the general aspects of the child's performance without being specific about individual items. Some children are hesitant to try unfamiliar tasks or tend to give up easily. Warmly, but firmly, encourage them to try some additional items. When you have established a friendly relationship and have allowed the child a few moments to explore the setting, you are ready to begin.



### General Instruction for Parts A and B

The behavior domain covered by the procedures includes a broad sampling of the universal language skills required by anyone to establish minimal independent participation in our present culture.

Before starting, fill out the child's name and the other identifying data called for at the top of the first page. This single form may be used to administer, record, and score the FLP on four independent occasions, leaving a permanent record of the child's improvement. Be certain to fill in the date on the Performance Record each time the FLP is given. The places for the dates of administration of the FLP appear just below the section for identifying data.

The Performance Record presents the essential information needed to administer each behavior sample. This information is condensed from the administration procedures presented here in the manual and appears just below the name of the performance sample. The four bits of information provided are: materials needed; the recording plan;\* the standarized spoken instructions; and the time limit for each item within the sample. In some cases the spoken instructions are presented in abbreviated form and the manual should be consulted until the standard phrases are committed to memory.

Next on the form there is a series of boxes for recording the specific errors made by the child on each item. Place an X in the appropriate box each time the child makes an error. Try to do this as inconspicuously as possible so that the child does not become alerted to his failures. Place a slash mark in the box just following the last item attempted by the child.

The next section provides spaces for recording the number correct, the number incorrect and the time in minutes and seconds for each performance sample. For example, if a child got 20 correct, 6 incorrect and took 56 seconds, it would be recorded like this:

Just to the right of this space the letters  $\frac{RC}{RE}$  appear. RC stands for rate correct, and RE stands for rate incorrect or error. When you have completed administering the FLP you may find the rates correct and incorrect by consulting the Table of Rates of Frequencies in Appendix C of this

<sup>\*</sup>The recording plan is the rule for determining when to end each performance sample. There are three recording plans: time based, movement based, and first come. A time based plan ends when the child has made or attempted the stated number of items. The performance sample in which a first come plan is used states both a time and movement criterion. The performance sample ends whenever the time has clapsed or the number of movements has been completed, whichever comes first.



manual. When the rates for the data given above are filled in the proper spaces in the Performance Record it will look like this:

This data will be filled out for each performance sample each time the FLP is administered.

Finding Rates—The Table of Rates/Frequencies lists 3,570 rates. Every rate possible using the recording plans on the FLP is included. The Table of Rates is to be used for both Parts A and B.

Any rate may be found by following these steps:

- 1. Open the table to the double page that includes the time of your performance sample. Times, in seconds, are listed on the left vertical axis of each page of the table. The first double page includes times from 1 to 30 seconds, the next double page has times from 31 to 60 seconds, the third double page runs from 1 minute 1 second to 1 minute 30 seconds, and the fourth double page includes times from 1 minute 31 seconds to 2 minutes.
- 2. Locate the exact number of seconds in your time sample by using the vertical scale of the table which reads in minutes and seconds.
- 3. Locate the exact number of movements in your sample by using the horizontal scale across the top of the table.
- 4. The rate is found in the box at the intersection of the proper time row and movements column. The rate reads in number of movements (number of behaviors) per minute.

Record the rates correct and incorrect in the spaces provided on the Performance Records. (See Appendix A). Here is an example. The number correct is 14, the number incorrect is 5 and the time ss 1 minute and 7 seconds. The row for 1 minute and 7 seconds is found on the third double page of the table. Move along this row until you find the intersection of the columns for 14 movements and 5 movements. The rates in these two boxes are 12.5 and 4.46. These are the rates correct and incorrect and should be placed in the appropriate spaces on the Performance Record:

All rates should be recorded with three digit numbers, regardless of the number of decimal places.



# Standard Administration Procedures for Part A

Part A should be administered to all children. This section presents the specific standard procedures to be followed in giving and recording the results of the FLP. To the extent that these procedures are followed, the normative data and research based interpretations and recommendations will be relevant and valid. Anyone who uses the FLP should become thoroughly familiar with these procedures before administering the performance samples.

# I-A BODY PARTS CONCEPTS \*

This sample of behavior determines which body parts the child knows.

Input Auditory-body part names.

Output Points to body parts.

Materials None. Child identifies parts of his own body.

Recording Plan Movement based, 21 items.

Instructions

Ask the child to point to the following parts of his body in the order given below. Say, "SHOW ME YOUR \_\_\_\_," or "POINT TO YOUR \_\_\_\_,"

1.	wrist	8.	mouth	15.	stomach
2.	foot	9.	hand	16.	shoulder
3.	head	10.	arm	17.	ankle
4.	leg	11.	back	18.	chin
5.	eye	12.	knee	19.	finger
6.	ear	13.	chest	20.	elbow
7.	nose	14.	toe	21.	waist

Item Time Limit

If the child has not responded or has not responded correctly and is still trying after 5 seconds, record an error and go on to the next item.

Record Number correct, number incorrect, time, and specific errors.

# 

This performance sample indicates whether the child can discriminate right from left on is swn person and on another person facing him.

Input Auditory-spoken words.

Output Action.



Materials None. A complete list of commands is given below and is abbreviated on the Part A Performance Record for this sample.

Recording Plan Movement based, 10 items.

Instructions When you have the child's attention, say, "HOLD UP YOUR RIGHT HAND." Proceed through the items in order, saying:

- 1. HOLD UP YOUR RIGHT HAND
- 2. TOUCH YOUR RIGHT LEG
- 3. STAND UP AND PUT YOUR LEFT FOOT UP HERE ON THE CHAIR. Indicate the edge of the chair seat.
- 4. HOLD UP YOUR LEFT HAND.
- 5. TURN YOUR HEAD TO YOUR RIGHT.
- 6. STAND UP AND PUT YOUR RIGHT FOOT UP HERE ON THE CHAIR. Indicate the edge of the chair seat.
- 7. TOUCH MY LEFT HAND.
- 8. TURN YOUR HEAD TO YOUR LEFT.
- 9. TOUCH MY RIGHT HAND.
- 10. TOUCH YOUR LEFT LEG.

Item Time Limit After five seconds proceed to the next item.

Record Number correct, number incorrect, time and specific errors.

III-A ROTE COUNTING \*

This sample indicates whether the child can count correctly from 1 to 20.

<u>Input</u> Auditory--spoken words.

Output Spoken words.

Materials None.

Recording Plan First come, 20 items or 30 seconds.

Instructions Ask

Ask the child to "COUNT FROM 1 to 20." If the child is reluctant or says that he or she cannot count, give some encouragement. It is acceptable to say, "START WITH ONE AND SEE HOW FAR YOU CAN COUNT," for children who are having a hard time getting started. Allow the child to continue as long as the counting is in an ascending sequence. As soon as the ascending order is broken by giving a smaller number, stop timing. Numbers may be omitted as long as the ascending order continues. Count all numbers given in ascending order as correct, except those larger than 20. Count all ommitted as incorrect, including all those not attempted. The number that breaks the ascending order is counted incorrect. The total movements correct and incorrect should always total 20.



Item Time Limit

If the child has not started in 10 seconds, stop your watch, repeat the instructions and give the child another 20 seconds to get started.

Record Number correct, number incorrect, time and specific errors.

IV-A TIME CONCEPTS\*

This sample of behavior gives an idication of the child's ability to correctly discriminate gross units of time.

Input Auditory--spoken worls.

Output Spoken words.

Materials None. The questions are listed just below and are abbreviated on the Part A Performance Record for this sample.

Recording Plan Movement based, 13 items.

Instructions
When you have the child's attention, say, "DO YOU GO TO SCHOOL IN THE DAYTIME OR AT NIGHT?" After the child has responded continue in order, saying:

- 1. DO YOU GO TO SCHOOL IN THE DAYTIME OR AT NIGHT?
- 2. WHICH IS A LONGER TIME, A DAY OR A YEAR?
- 3. WHICH IS A LONGER TIME, AN HOUR OR A MINUTE?
- 4. WHICH IS A LONGER TIME, A MONTH OR A WEEK?
- 5. HOW OLD ARE YOU? (Accept in years:)
- 6. WHEN IS YOUR BIRTHDAY? (Accept the month as correct, even if no day and year are given, or the wrong day and year are given.)
- 7-13. NAME THE DAYS OF THE WEEK. (Correct sequence is not required. Any days named in any order should be counted as correct.)

Item Time Limits
Allow 10 seconds for each of the first six items.
Allow 30 seconds for the days of the week, items
number 7-13. If the child names a month or holiday,
give the name Sunday to the child and allow him
the rest of the time. When given, count Sunday
as incorrect.

Record Number correct (the total possible correct is 13), number incorrect, time and specific errors.



V-A SIZE AND QUANTITY CONCEPTS\*

This sample is designed to give an estimate of the child's response to some commonly used size and quantity qualifiers.

Input Auditory--spoken words. Visual--drawings.

Output Points to correct choice.

Materials Part A, pages 1 through 10.

Recording Plan Movement based, 10 items.

Instructions

Draw the child's attention to the appropriate drawing and say, "WHICH ONE IS," or WHICH ONE HAS THE \_\_\_\_\_?"

Follow the order:

Page :	1	BIGGEST APPLE	Page	6	TALLEST TREE
Page 2	2	THINNEST COWBOY	Page	7	FEWEST BALLS
Page 3	3	WIDEST WINDOW	Page	8	FATTEST COWBOY
Page 4	4	SMALLEST BALL	Page	9	SHORTEST FLOWER
Page !	5	MOST BALLS	Page	10	EMPTY GLASS

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and specific errors.

VI-A SHAPE CONCEPTS\*

This sample measures the child's ability to name geometric shapes.

Input Visual--geometric shapes.

Output Spoken -- shape names.

Materials Part A, pages 11 through 16.

Recording Plan Movement based, 6 items.

Instructions When the child is attending to the figure, say, "WHAT IS THIS SHAPE CALLED?" Proceed in order:

Page 11 SQUARE Page 14 CIRCLE
Page 12 TRIANGLE Page 15 RECTANGLE
Page 13 DIAMOND Page 16 STAR

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and specific errors.



VII-A POSITION AND DIRECTION CONCEPTS\*

This performance sample provides information on the child's ability to respond correctly to some common position and direction words.

Input Auditory-position and direction words. Visual-drawings to match the words.

Output Points to figure.

Recording Plan Movement based, 10 items.

Instructions
Place the booklet in front of the child and call his attention to the figures in each drawing. Say, "POINT TO THE BALL THAT IS ABOVE THE BOX." Continue in order, saying, "POINT TO THE \_\_\_\_\_\_."

- Page 17 BALL THAT IS ABOVE THE BOX
- Page 18 FLOWER THAT IS IN THE MIDDLE
- Page 19 BALL THAT IS UNDER THE TABLE
- Page 20 BALL THAT IS NEAREST THE HOUSE
- Page 21 BALL THAT IS IN FRONT OF THE HOUSE
- Page 22 BALL THAT IS IN THE BOX
- Page 23 BOY THAT IS BEHIND THE TREE
- Page 24 BALL THAT IS BETWEEN THE HOUSES
- Page 25 BOY THAT IS AT THE END OF THE ROPE
- Page 26 BALL THAT IS ON THE TABLE

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and the specific errors.

VIII-A SAME-DIFFERENT CONCEPTS\*

This sample assesses the child's understanding of the concepts "same" and "different."

Input Auditory--spoken words. Visual--geometric shapes.

Output Points to shapes.

Materials Part A, pages 27 through 32.

Recording Plan Movement based, 6 items.

Instructions
When the child is attending to the materials, say,
"POINT TO EACH ONE WHICH IS THE SAME AS THIS ONE."

If the child stops after pointing to only one figure,
encourage him to look for more. Say, "ARE THERE ANY
OTHERS WHICH ARE THE SAME?" The items on pages 27,
29 and 32 are to sample the concept of sameness. The



items on pages 28, 30 and 31 are to sample the concept of difference. For the latter say, "POINT TO EACH ONE WHICH IS DIFFERENT FROM THIS ONE." Indicate the exemplar at the top of the page. Proceed in order through:

Page 27 square (same)

Page 28 triangle (different)

Page 29 diamond (same)

Page 30 circle (different)

Page 31 rectangle (different)

Page 32 star (same)

Be sure not to name the shapes or else you will be teaching the names and influencing the performance on sample VI-A, Shape Concepts.

Item Time Limit 20 seconds.

Record Place a slash mark in boxes beside items. Place number correct on top of line and place number incorrect under lines in boxes:

15 possible correct and 15 possible incorrect answers.

This sample indicates the child's ability to read a standard clock face to the nearest half hour.

Input Visual--printed clock faces.

Output Spoken words.

Materials Part A, pages 33 through 42.

Recording Plan Movement based, 10 items.

Instructions
When you have the child's attention on the appropriate clock face, say, "WHAT TIME DOES THIS CLOCK SAY?" Proceed in order:

Page 33	3:00	Page 38	7:00
Page 34	6:00	Page 39	8:30
Page 35	10:30	Page 40	7:30
Page 36	1:30	Page 41	2:00
Page 37	5:30	Page 42	4:00

Item Time Limit 15 seconds.

Record Number correct, number incorrect, time and specific errors.

This sample establishes the child's typical response to negative questions.

Input Auditory--spoken words.

Output Points to figure.

Materials Part A, pages 43 through 52-

Recording Plan Movement based, 10 items.

Instructions When the child is attending, say, "WHICH SHAPE IS NOT A SQUARE?" Continue in order:

- Page 43 WHICH SHAPE IS NOT A SQUARE?
- Page 44 WHICH FIGURE IS NOT A NUMBER?
- Page 45 WHICH LETTER IS NOT WHITE?
- Page 46 WHICH TREE IS NOT TALL?
- Page 47 WHICH ONE IS NOT A LETTER?
- Page 48 WHICH SHAPE IS NOT A CIRCLE?
- PAGE 49 WHICH BALL IS NOT ON THE TABLE?
- Page 50 WHICH BALL IS NOT IN THE BOX?
- Page 51 WHICH NUMBER IS NOT BLACK?
- Page 52 WHICH SHAPE IS NOT A TRIANGLE?

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and specific items missed.

### XI-A LETTER-NUMBER DISCRIMINATION\*

This sample evaluates the child's ability to match or respond differentially to lower case letters and to numbers which are often confusing for young children.

Input Visual--printed letters and numbers.

Output Points to letters and numbers.

Materials Part A, pages 53 through 58.

Recording Plan Movement based, 6 items.

Instructions

Call the child's attention to the sample at the left of the page and then say, "SEE THIS ONE? FIND ALL THE ONES JUST LIKE IT OVER HERE." Indicate the two rows of possible matching letters or numbers to the right. Continue in order:



 Page 53
 b's
 Page 56
 3's

 Page 54
 g's
 Page 57
 7's

 Page 55
 m's
 Page 58
 9's

Item Time Limit 20 seconds.

Record Place a slash mark in boxes beside each item; place the total correct on top of line and total incorrect below slash beside each item. Total possible correct/incorrect is 30.

XII -A COLOR NAME CONCEPTS\*

The behavior sample demonstrates the child's ability to name ten colors frequently referred to in school and the general culture.

Input Visual--colored paper.

Output Spoken words.

Materials Part A, pages 59 through 68.

Recording Plan Movement based, 10 items.

Instructions

Show each page of colored paper to the child in sequence and say, "WHAT COLOR IS THIS?" or, "TELL ME WHAT COLOR THIS IS." Proceed in order:

Daga 50	1	, Deec	61.	
Page 59	rea	rage	04	yellow
Page 60	blue	Page	65	brown
Page 61	b1ack	Page	66	orange
Page 62	white	Page	67	purple
Page 63	green	Page	68	pink

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and the specific errors.

### Standard Administration Procedures for Part B

Part B should be administered to all children, unless the tasks on Part A were so difficult for the child that almost no successes were obtained. This part of the FLP measures many of the skills which are the behavioral components of reading, writing, spelling, and simple arithmetic calculations.



This performance sample is designed to measure whether the child responds appropriately to spoken letter names.

Input Auditory-spoken letter names.

Output Points to appropriate letter.

Materials Part B, pages 1 and 2.

Recording Plan First come, 26 items or 1 minute.

Instructions When you have obtained the child's at intion, say, "WHEN I SAY A LETTER NAME, YOU POINT TO IT ON THIS SHEET." If the child searches only a limited portion of the sheets, it is permissible to suggest that he look over all the letters. Say, "BE SURE TO LOOK AT ALL THE LETTERS," and gesture to indicate unsearched portions of the pages. Proceed in order:

ACFNSBUHODIEZKQLXTVGPWRYMJ

Item Time Limit 5 seconds.

Record The number correct, the number incorrect, the time and the specific errors. Both incorrect and omissions (up to the 1 minute time limit) are counted as errors.

This performance sample is designed to measure the child's ability to name the upper case alphabet letters.

Input Visual-printed letters.

Output Spoken letter names,

Materials Part B, pages 3 and 4.

Recording Plan First come, 26 items or 1 minute.

When the child is oriented to the proper materials, say, "START HERE AND SAY THE NAME OF EACH LETTER."

Point to the first letter. When the child has responded or 5 seconds have elapsed, indicate that the child should continue by saying, "TELL ME THE NAME OF EACH ONE UNTIL THE TIME IS UP," indicating the rest of the letters with an appropriate gesture.



Item Time Limit 5 seconds.

Record The number correct, the number incorrect, time and the specific errors.

This sample of behavior assesses the child's current status in naming the lower case alphabet.

Input Visual--printed letters.

Output Spoken letter names.

Materials Part B, pages 5 and 6.

Recording Plan First come, 26 items or 1 minute.

Instructions

Call the child's attention to the alphabet and say,
"START HERE AND SAY THE NAME OF EACH LETTER." Point
to the first letter. When the child has responded
or 5 seconds have elapsed, suggest that the child go
on to the next letter by saying, "TELL ME THE NAME
OF EACH ONE UNTIL THE TIME IS UP," indicating the
rest of the letters with a gesture which suggests
the sequence to follow.

Item Time Limit 5 seconds.

Record The number correct, the number incorrect, the time and the specific errors.

This sample assesses the child's ability to copy under case letters. The child may print or write cursive, whichever has been taught and feels most comfortable.

Input Visual--printed letters on lined paper.

Output Written letters.

Materials Worksheet number 1:

Recording Plan First come, 26 items or 2 minutes.

Instructions

Say, "COPY THESE LETTERS. WRITE THEM DOWN HERE."

Point to the appropriate space just below each
letter. Complete the instructions by saying, "SEE

HOW MANY YOU CAN DO."

Item'Time Limit

None. However, if the child is only improving a letter which is already recognizable or is just dawdling, encourage him to copy additional letters.

Record Number correct, number incorrect, time and specific errors.

Count as correct any letter you can recognize, no matter how poorly made. However, reversals are counted as errors.

V-B COPYING LOWER CASE LETTERS\*

This performance sample measures the child's current ability to write lower case letters.

Input Visual--printed letters on lined paper.

Output Written letters.

Materials Worksheet number 2.

Recording Plan First come, 26 items or 2 minutes.

Instructions

Say, "COPY THESE LETTERS. WRITE THEM DOWN HERE."

Point to the appropriate space just below each letter. Complete the instructions by saying, "SEE HOW MANY YOU CAN DO."

Item Time Limit None. If the child is "improving" a letter which is already recognizable or is dawdling, encourage him to copy additional letters.

Record Number correct, number incorrect, time and the specific errors. Count as correct any letter you can recognize no matter how poorly made, except reversals.

VI-B FINDING LETTER SOUNDS\*

This-format samples the child's ability to identify letters from the sound they make in the initial position of short words.

Input Auditory--spoken words.

Output Spoken letters,

Materials None. Word list is below and in the Part B Performance Record.

Recording Plan First come, 26 items or 1 minute.

Instructions
Say, "I AM GOING TO SAY SOME WORDS. WHEN I SAY A
WORD, TELL ME WHICH LETTER STARTS MY WORD. YOU
WILL BE ABLE TO TELL BY THE SOUND THE LETTER MAKES."
Distinctly say each word in this order.

1.	MAN	8.	APE	15.	DOG	22.	WAS
2.	BALL	9.	CAT	<sup>θ</sup> 16.	USE	23.	GO
3.	SAT	10.	EAT	17.	HAT	24.	X-RAY
4.	FUN	11.	OLD		RUN	25.	QUEEN
5.	<b>Z</b> 00	12.	FAT	119.	LOW	26.	YES
6.	TAN	13.	VOICE	20.	KISS		
7.	NO	14.	ICE	21.	JAM		

### Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and specific errors.

### 

This performance sample measures the child's ability to write letters from dictation.

Input Auditory-letter names.

Output Written letters.

Materials Sheet of standard primary grade writing paper. The list of letters in the sequence to be called is on the Part B Performance Record and immediately below.

Recording Plan First come, 26 items or 2 minutes.

Instructions

Place a sheet of standard primary grade writing paper before the child and give him a primary pencil without an eraser. Say to the child, "WHEN I SAY A LETTER NAME, YOU WRITE THE LETTER ON THIS PAPER. START HERE."

Point to the upper left hand corner. Say the letters in this order:

### ACFNSBUHODIEZKQLXTVGPWRYMJ

Item Time Limit

If the child has not started a letter in five seconds, go on and say the next letter name.

Allow the child the time he needs to complete a letter before giving another one. Count correct all recognizable letters, except reversals. Reversals are counted as errors.

Record Number correct, number incorrect, time and specific errors.

This format samples the child's ability to read basic words presented individually.

Input Visual--printed words.

Output Spoken words.

Materials Thirty flash cards arranged in the order presented below.

Recording Plan First come, 30 words or 1 minute.

Instructions When you have the child's attention, say, "SAY THESE WORDS AS I SHOW THEM TO YOU." If the child claims that he cannot read, encourage him to try anyhow, since many children know words when they do not think they do.

1.	SEE	11.	COME	21.	AN
2.	GO	12.	PLAY	22.	BY
3.	LOOK	13.	LIKE	23.	HIM
.4	CAN	14.	SAID	24.	MAY
5.	ME	15.	GOINĞ	25.	OLD
6.	BLUE	16.	HELP	26.	WERE
7.	IS	17.	AWAY	27.	HOW
8.	WORK	18.	THE	28.	TAKE
9.	BE	19.	I	29.	HER
10.	HERE	20.	SOME	30.	PUT

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time, and specific errors.

Accept any recognizable pronunciation as correct.

# IX-B READING TEXTS\*

This sample of behavior measures the child's ability to read simple paragraphs.

Input Visual-printed sentences.

output Spoken words.

Materials Part B, pages 7 and 8.

Recording Plan 1 minute or first come.

Instructions

Place the paragraph on page 7 in front of the child and say, "READ THESE SENTENCES AS WELL AS YOU CAN." If the child hesitates or blocks as long as five seconds on any word, pronounce the word for him and count it as an error. Count all mispronunciations as errors. Record the total number of words correct and incorrect. Divide the error count into the correct count. If this number is five or greater, present the paragraph on page 8. Repeat the same procedures.

Item Time Limit 5 seconds for each word.

Record The number of the highest paragraph read, the number of words read correctly and incorrectly for that paragraph.

List the words attempted but incorrect.

This sample measures the child's ability to name numbers.

Input Visual--printed numbers.

Output Spoken numbers.

Materials Part B, pages 9 and 10

Recording Plan First come, 20 movements or 1 minute.

Instructions Place the pages of single digit numbers in front of the child and say, "WHEN I POINT TO A NUMBER YOU SAY ITS NAME. WHAT NUMBER IS THIS?" Point to the numbers in sequence across the pages:

**3 1 2 8 4 6 5 7 0 9 4 8 2 0 3 5 7 6 1 9** 

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and the specific errors.

This format assesses the child's ability to write numbers from dictation.

Input Auditory--spoken numbers.

Output Written numbers.



Materials

A sheet of standard primary writing paper. The list and sequence of numbers to call appear below and on the Part B Performance Record.

Recording Plan First come, 10 items or 2 minutes.

Instructions

Place a sheet of standard primary writing paper before the child and give him a standard primary pencil without an eraser. Say, "I AM GOING TO SAY SOME NUMBERS. I WANT YOU TO WRITE THEM HERE." Point to the upper set of lines and indicate that the child is to start at the left. Call out the numbers in this sequence:

5 2 8 6 10 4 1 3 7 9

As soon as the child finishes writing one number, point to the next space to the right on his page and call out the next number. If there is no attempt to write the number called, try a new one after 5 seconds.

Item Time Limit 5 seconds.

Record Number correct, number incorrect, time and the specific errors. Any number that is recognizable may be counted correct, no matter how poorly made. While recognizable reversals are to be counted as errors.

XII -B COUNTING OBJECTS\*

This sample evaluates the child's early counting skills.

Input Visual--drawings of objects.

Output Spoken words.

Materials Part B, pages 11 through 20.

Recording Plan First come, 10 items or 1 minute.

Instructions

Call the child's attention to the drawings on page 11.

Say, "TELL ME HOW MANY BOATS THERE ARE. COUNT THEM."

If the child has not responded in 5 seconds, go on to the next item. If he is still in the process of counting when 5 seconds elapse, allow him to finish. When the child has the idea, say, "HERE ARE SOME \_\_\_\_.

COUNT THEM." Present the pages in order:

 Page 11:
 2 BOATS
 Page 16:
 10 FROGS

 Page 12:
 4 HCUSES
 Page 17:
 7 GIRLS

 Page 13:
 1 BARN
 Page 18:
 5 FACTORIES

 Page 14:
 6 FISH
 Page 19:
 8 BOYS

 Page 15:
 3 PUMPKINS
 Page 20:
 9 MEN

Item Time Limit 10 seconds.

Record Number correct, number incorrect, the time and specific errors.

XIII-B IDENTIFYING NUMBER SETS\*

This sample indicates the child's ability to correctly indicate numbered sets of objects.

Input Visual--rows of symbols. Auditory--spoken numbers.

Output Lines drawn.

Materials Worksheet number 3.

Recording Plan First come, 10 items or 1 minute.

Instructions

Place the worksheet in front of the child and give him a pencil. Call his attention to the rows of symbols. Say, "I AM GOING TO SAY A NUMBER. DRAW A LINE THROUGH THAT NUMBER OF SYMBOLS. FOR EXAMPLE, IF I SAY THREE, YOU DRAW A LINE THROUGH THREE OF THESE." Indicate the first row of symbols in the upper left corner of the page. Call the following numbers in sequence:

### 2 4 1 5 7 3 6 8 9 10

Item Time Limit If the child has made no attempt in 5 seconds, go on to the next number.

Record Number correct, number incorrect, time and specific errors.

This samples the ability of the child to do oral addition facts.

Input Visual--printed numbers.

Output Spoken numbers.

Materials Part B, pages 21 and 22

Recording Plan First come, 18 items or 1 minute.



Instructions Call the child's attention to the problems on pages 21 and 22. Say, "ADD THESE NUMBERS AND SAY THE ANSWER OUT LOUD." Do these in order across the sheet.

Item Time Limit If no response after 5 seconds, point to the next problem and repeat the instructions.

Record Number correct, number incorrect, time and specific errors.

XV-B WRITING ADDITION FACTS\*

The behavior sample evaluates the ability of the child to write the answers to addition facts.

Input Visual -- printed numbers.

Output Written numbers.

Materials Worksheet number 4. A primary pencil.

Recording Plan First come, 18 items or 2 minutes.

Instructions
When the child is attending to the addition problem say, "ADD THESE NUMBERS AND WRITE THE ANSWERS HERE."
Point to the appropriate space for writing the answers. Do these in order down the columns.

Item Time Limit Allow 5 seconds for a response and then point to the next problem and ask the child to, "TRY THIS ONE."

Record Number correct, number incorrect, time and specific errors.

XVI-B SAYING SUBTRACTION FACTS\*

This performance sample measures the child's ability to give oral answers to simple subtraction problems.

<u>Input</u> Visual--printed numbers.

Output Spoken numbers.

Materials Part B, pages 23 and 24.

Recording Plan First come, 18 items or 1 minute.



Instructions
Direct the child's attention to the subtraction problems. Say, "SUBTRACT THESE NUMBERS AND SAY THE ANSWER OUT LOUD."

Item Time Limit If no response in 5 seconds, go on to the next problem and say, "TRY THIS ONE."

Record Number correct, number incorrect, the time and specific errors.

# REPORTING THE RESULTS: The Summary Data Sheets A and B

The Summary Data Sheet is designed to provide a convenient summary of the child's performance for the purpose of 1) selecting children for special educational services and 2) for providing aims which given an indication of the level of competence required for the child to experience success in the regular classroom. The Summary Data Sheet accomplishes these purposes by supplying normative data and making it convenient to compare the child's speed and accuracy on each task with the speed and accuracy of children of the same grade level. For the purposes of this profile, sex and race differences were ignored although there were reliable differences on many tasks when sex and race comparisons were made. It was not deemed educationally justifiable to set separate selection criteria or aims by sex or race.

# Instructions for filling in Summary Data Sheets

There are separate norms for kindergarten and first grade and separate norms for the time of year.

- Place the date the child was first sampled on the presample date line at the top of the sheet. There is a line for the post- sample date also. If this is available fill out for this date. Teaching weeks may be included.
- 2. The first column on a sheet represents all twelve concepts for Part A. The number directly following the concept name is the number of items in that concept.
- 3. A Target column is put next to each of the concept names. This column is marked with an XX if it is evident that the child is below the selection aim in accuracy or speed correct or is above in speed incorrect. XX in the Target column indicates to the administrator/teacher that this concept should receive special attention. Mark this column after you have recorded the data on the sheets.



4. Items sampled for both pre and post sampling are side by side. A number is written in the appropriate column to indicate all the items sampled by the child. On the <u>Performance Record</u>, below the <u>Body Parts Concept</u> for example, there is a Record Space. The number correct is to the left of the slashed line and the number incorrect is to the right of the slashed line. Thus, Body Parts may read 19/2. Add the two numbers, 19 and time

2 to get the total irems sampled.

5. The fifth column represents the accuracy of the child's performance. The middle of that column has a #/#, such as 83/93. On either side of the numbered area are spaces for the child's pre sample percent correct and post sample percent correct. The number on top of the slash line represents the selection aim. Accuracy column indicates children who need help because their scores are below the accuracy of the child at the 60% level. The return aim is the number below the slash line. When the child receives the post sample of the FLP, his accuracy scores should be equal to or above the return score. The fifth column may look similar to this:

ACCURACY								
PRE	/SEL.	POST						
%c \	/ AIM	/ RET - 1 %C						
1	V /	RET. %C						
	/							
75	82 / 9	3 100						
1'	02/3	5 100						
<u>i</u>								

ACCURACY
PRE SEL. POST
%C AIM RET. %C
AIM
95 82 93 95

The first child should receive an XX in the Target column beside this concept because the score of 75 is below the 82 score. The second child should not be targeted for accuracy because the score of 95 is above the 82 selection aim. [The FLP Accuracy Table is in appendix D].

or

To get the Accuracy Score, take the number correct from the Performance Record (Example: 19/2). Look down the column on the left of the Accuracy Table, find 19, then take the total number attempted by the child, (in this case, 21), look across the top of the column until you find the number 21. The Accuracy Score is 90. Place this on the appropriate side of the column.

6. The Frequency Correct and the Frequency Incorrect column are recorded by the same procedure. Simply look on the child's Performance Record for RC and the RE. Record these in the appropriate columns. See an example in appendix B.



### IV. PUTTING THE RESULTS OF THE FLORIDA LANGUAGE PROFILE TO WORK

The results of the FLP may be used in four ways: selecting children for special programming, individualizing instruction for each child, evaluating pupil progress or instructional effectiveness, and analyzing learning style by input modality and output effector combinations.

# Determining a Procedure to be Used for Delineating Specific Learning Disabilities Population

The Summary Data Sheet is the center of the system for identifying children with specific learning disabilities. The Summary Data Sheet provides normative data on three aspects of the child's performance. accuracy, frequency of correct response, and frequency of error response. There are separate sheets for kindergarten norms and first grade norms. Also, for Fall, Winter and Spring norms. The Fall norms are to be used between September and the end of December. The Winter norms from January through March. The Spring norms cover April through June. Two sets of norms are reported for each aspect: Accuracy, Frequency Correct and Incorrect. The first norm is the 20% which we have used as a miminal selection criteria; that is, for Accuracy, any child whose scores are below the 20% Frequency Correct are targeted for special instruction programming. The second norm is the 80% which we have used for the maximum selection criteria, any child whose scores are above the 80% Frequency Incorrect are targeted for special instruction programming. We have arbitrarily selected the 60% as a return aim for Accuracy and Frequency Correct.

Cor	<b>re</b> ct	Incorrect
20%		80%
Below		Above
	60%	¥.
	return aim	
į (		ł

The special education teacher would use this as an instant aim; that is, an appropriate level of competence for returning the child to the regular class-room programming or as a reason for dismissing child from resource rooms. On the frequency of errors the return aim is for the child to be below the 40% in errors. It is assumed that most Specific Learning Disabilities programs would use the Florida Language Profile in conjunction with an intelligence test. Thus, children below 80 IQ or some similar criteria would be screened out as possibilities for the Specific Learning Disabilities Program. When



this is not the case, it is our experience that the educable mentally retarded child will show up with deficits in both Accuracy and Frequency Correct scores across all the skills. They also show up with much lower rates than children with specific learning disabilities. Diagnosis of Special Learning Disabilities is enhanced by selecting highly variable profiles. This means that the Specific Learning Disabilities children would have a significant number of scores above the selection aim criteria.

The Summary Data Sheet is designed to record two complete administrations of the Florida Language Profile. This allows the teacher to compare the entry scores with the scores attained after some period of specialized instruction, and to see if the child has reached the criteria suggested for return to regular classroom.

Originally it was assumed that the Florida Language Profile should be administered at least two days in succession in order to obtain the child's maximum performance level. However, the experience with the project has indicated that it is unrealistic to expect either regular or special education teachers to administer this test more than once as a pre test or more than once as a post test. Therefore, the norms provided on the Summary Data Sheet are based on first day administration data in all cases.

### Individualizing Instruction

The Performance Record provides the information needed to individualize instruction for each child. By consulting it the teacher may answer many questions relevant to the child's instructional program.

Uron which concepts and skills may I base the next phases o the child's instruction?

What specific skills and concepts need to be taught?

At what level should instruction begin?

Which concepts and skills need to be taught from the beginning?

Which concepts and skills need only review and strengthening?

When the FLP is administered three times in close succession, it becomes apparent whether a child does not usually perform this task successfully, performs it successfully on some occasions and not on others, or whether it is always performed successfully. A study of the Performance Record indicates exactly which letters and numbers are responded to correctly and incorrectly. The person administering the FLP may make notes on the type of errors a child makes. These observations may prove useful in selecting the type of instruction which is most likely to correct the kind of errors being made.

By consulting the child's Profile, additional information may be gained for individualizing instruction. The Profile will help to answer questions



### \* such as the following:

Is the main deficit in this performance lack of speed?

Is the main deficit in this performance lack of accuracy?

Do both speed and accuracy need improvement?

Is the child's performance too variable on a day to day basis?

The Profile also indicates at a glance whether the child's deficits are general (as in mental retardation and severe cultural deprivation) or specific to a few skills (as in learning disabilities).

### Evaluating Pupil Development and Instructional Effectiveness

The FLP is very useful in evaluating changes in pupil behavior, or instructional effectiveness. The more frequently the FLP is given the more sensitive it will prove in detecting changes in performance or in evaluating the effectiveness of particular instructional conditions. There are several plans for using the FLP to evaluate pupil development, depending upon what the goals of measurement are. The basic plans are:

- 1. Give the FLP 2 times, on successive days, in the fall and 2 times again on successive days in the spring.
- 2. Give periodically, every other month, or as the need for feedback arises, throughout the school year.
- 3. Give once in the fall and readminister again once in the spring as the school year is ending.

The first plan will give the most detailed information on all five basic aspects of behavior (level or speed, accuracy, variability, trend, and trend of accuracy) at two points during the year. This makes possible an assessment of overall change in all of the basic aspects of behavior. Probably this plan is of most interest to researchers with specialized interests in behavior change. It is the plan being used in the development of the FLP.

The second plan of periodic performance sampling gives the best possibility for discovering which instructional procedures work best with the child and for insuring that the child is not standing still during any prolonged period during the year. Of course, this plan may be supplemented with daily performance records of the specific behavior of most interest. Some version of this plan is well suited to accountability research.

The third plan will serve to depict overall pupil changes in speed and accuracy to performance. This kind of data is often needed to establish the effectiveness of programs for continued grant support or for other administrative purposes. It is not a good plan for discovering which of the many



materials, instructional plans, reinforcers, etc. used during the year were actually effective in producing the changes.

All three plans provide data on pupil change over the time intervals spanned by the performance samples. Plan one makes possible a more detailed look at many of the subtle and difficult to observe aspects of behavior changes. Plan two provides the most data for discovering the functional relationships between instructional conditions and improvement. Plan three is the easiest to accomplish and provides solid information on overall improvement in the course of the school year. It is the classic before and after method.

### Analyzing Learning Style by Input Modality and Output Effector

The Illinois Test of Psycholinguistic Abilities, which is based on Osgood's model of language, popularized the idea of looking at the children strengths and weaknesses in terms of the input sense modalities and the output effectors. This kind of information still seems to hold promise for helping the teacher select materials which either build on existing strengths or provide the type of sensory experience which the child needs to develop more skill.

The 28 performance samples of the FLP have been classified by input modality, output effector, and type of task.

The input classifications are:

A = auditory input

V = visual input

B = combination of both auditory and visual

The output classifications are:

S = say or speak the response

. W = write the response

D = do the response, a nonlinguistic verbal response

### The types of tasks are:

C = choose from among two or more alternatives

M = match to a stimulus of similar characteristics

P = produce an associative response

Using this classification scheme, the FLP performance tasks break down as follows:

### INPUT

	Part A	Part B	Total
Auditory	4	5	9
Visual	5	11	16
Both	3	0	3



### OUTPUT

	Part A	Part B	Total
Say	4	· 9	13
Write	0	5	. 5
Do	8	2	10

### TASK TYPE

	Part A	Part B	Total
Choose	5	1	6
Match	2	2	4
Produce	5	13	18

This classification indicates that the most frequently occurring task on the FLP is a spoken association to a visual input. The second most common task is an associated or chosen action in response to an auditory input.

Each task on the FLP is classified by performance sample number below. A child's performance may be analyzed by input, output and task type by consulting this list for each performance sample that is especially weak or strong relative to the child's own profile or relative to normative data. If, for instance, the child had four very weak performance samples in his profile and three of the four involved visual input and a spoken response, the teacher might entertain the hypothesis that spoken responses to visual stimuli give the child particular difficulty. The profile should similarly be examined for input or output similarities among his strongest performance samples.

This leaves the teacher with the confusing issue of whether to teach to weaknesses or to strengths. The research on this problem to date gives few clear generalizations. Direct and continuous recording can provide the data to indicate which works best with a particular child.

This type of analysis makes a potential contribution to individualizing instruction for each child. It is offered in a separate section because of the special interest many educators in the field of learning disabilities have in this type of data. The authors of the FLP are not convinced that the research to date supports spending very much time and effort on this type of topographic analysis. However, it may turn out with further research that useful functional relationships will be discovered for individual children. It is offered in that hope.



### PART A

	Input	Output	Task Type
•			
I	Auditory	Do	Produce
II	Auditory	Do	Choose
III	Auditory	Say	Produce
IV	Auditory	Say	Choose
v	Visual	Do	Choose
VI	Visual	Say	Produce
VII	Both	Do	Choose
VIII	Both	Do	Match
ΙX	Visual	Say	Produce
Х	Both	Do	Choose
XI	Visual	Do	Match
XII	Visual	Say	Produce

### PART B

	Input	Output	Task Type
I	Auditory	Do	Choose
II	Visual	Say	Produce
III	Visual	Say	Produce
IV	Visual	Write	Match
V	Visual	Write	Match
VI	Auditory	Say	Produce
VII	Auditory	Write	Produce
VIII	Visual	Say	Produce
IX	Visual	Say	Produce
Х	Visual	Say	Froduce
XI	Auditory	Write	Produce
XII	Visual	Say	Produce
XIII	Auditory	Do	Produce
XIV	Visual	Say	Produce
XV	Visual	Write	Produce
XVI	Visual	Say	Produce



### V. ASSUMPTIONS AND EDUCATIONAL PHILOSOPHY

Each learner is unique. Learning can be enhanced and made secure by fitting the conditions of instruction to each learner's uniqueness.

It is our guiding philosophy that meaningfully individualized instruction is of utmost importance when the child first enters any organized educational system. Up to that point the child's family and neighborhood have individualized informal education and general treatment by personalizing almost all approaches to the child. However, it has too often been the philosophy of the schools that education is the "great leveler" in a democratic society. From this, individual teachers have mistakenly concluded that in a democratic society the instruction should be the same for all children. Nothing could be further from the truth. In fact, if this philosophy is put into practice in the early years of schooling in a heterogeneous society such as ours, it will insure that a significant portion of the children will not profit much from the instruction. This is obviously the case as teachers try to use uniform methods to instruct the diverse group of children in most newly integrated schools.

There is great need for sensitive and comprehensive assessment of every child's entering capacities so that instruction may be individualized and school failure reduced to a minimum. If a child does not experience a moderate amount of success in his first two years of schooling, both the child and his parents will become discouraged and confused. Their discouragement stems from the failure experiences. The confusion arises because they have seen their child learn and develop skill when exposed to the "natural" instructional contingencies of the family and neighborhood. With early school failure a vicious sprial of events is set in motion which will spread through the child's life, family and community. The remediation required later will be much more extensive and expensive than the resources required to individualize instruction and maximize school success in the first two years.

Our general approach to the early measurement of individual differences in the language-cognitive development of young children is guided by a few underlying assumptions. By making these explicit, perhaps the user of the FLP will understand more fully why we have included or emphasized certain features in the development of these measurement procedures.

a. All children come from a long and honorable line of primate learners. Until all reasonable instructional efforts have been exhausted, the teacher should be held accountable for the child's educational progress. This shifts the emphasis presently placed on the analysis of learning to a more practical emphasis on the analysis of instruction.



- b. The pupil's behavior is the ultimate authority in making any evaluation of instructional effectiveness. That is, the only practicable criterion for the evaluation of teaching is that it effects pupil behavior in valued ways.
- c. Teaching is basically the manipulation of environmental events to bring about specified new behavior patterns or changes in existing behavior repertoires. These manipulations include setting up the general environment, selecting and using curriculur materials, giving spoken and written instruction, weakening competing behaviors, arranging reinforcing consequences, and altering the schedules of reinforcement and punishment.
- d. The behavior patterns selected as instructional objectives should be arrived at through the democratic processes of the community and state.
- e. Teaching will be most effective when it is based on the empirically derived laws of behavior and not left to authority, unexamined experience, prejudice, whim and the like,
- f. To be truly useful, the products of educational assessment must be expressed in terms and units which are directly relevant to the instructional activities. This means that behaviors targeted for instruction must be measured directly. The measurement of abstract constructs such as intelligence, ability, interest, and personality is irrelevant because the results cannot be related to the instructional activities except through a chain of inferences.
- g. Diagnostic labeling or categorizing leads to subtle prejudice against the one so labeled and tends to relieve the teacher of the responsibility for truly individualizing instruction. For the purposes of instruction it is not useful to view children as handicapped or as having a particular category of handicap. Each child is uniquely responsive and capable of developing human potentials beyond all imagination. It is the teacher's responsibility to detect each child's unique pattern of achievements, behavior styles, and needs, and then to design an instructional environment which will make possible the expression of the child's fullest potential as a human being.

In his latest book B. F. Skinner closed with, "We have not yet seen what man can make of man." It is equally true that we have not yet seen what teachers can make of children.



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APPENDIX A



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### PERFORMANCE RECORD

L O R		Copyright c Wolking, Nancarrow, Eh	1971 by rhardt and Beckum
I D A		Part A: Basic Langu	age Concepts
L	Name	Will King	School Pine Aire
A N	Birthdate	9/7/66	Grade First
G U	Race	Black	Teacher Miss. Francis
A G	Sex	Male	Sampler Mrs. Nancy Carrow
E P	Dates of B	Schavior Samples: $\frac{11/6}{m} \frac{72}{d}$	11/7/72 5/8/73 5/9/73 m d y m d y m d y
R O	I-A Body	Parts Concepts	·
F I	Materials	•	Rec. Pln. Movement based, 21 items
L E	1. wrist 2. foot 3. head 4. leg 5. eye 6. ear 7. nose  Record 1)	HOW ME YOUR (5 sec. per	15. stomach 16. shoulder K 17. ankle 18. chin 19. finger 20. elbow 21. waist
II-A	Right-Lef		1.45 .54 1.75 .52 1.89
Mate	rials Non	e .	Rec. Pln. Movement based, 10 items
Say	HOLD UP Y	OUR (5 sec.)	
	Right hand	$\overline{\mathbf{x}}$	6. right foot X
	Right leg		7. my left hand XX X
	Left foot left hand		8. head to left XX X X X X Y X X Y X Y X Y X Y X Y X Y

1.	kight nand	
2.	Right leg	x
3.	Left foot	х
4.	left hand	x

10. left leg



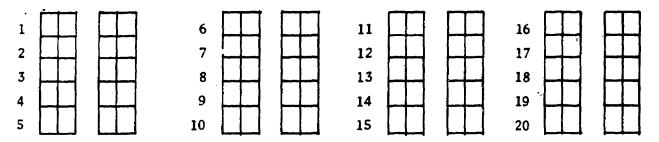
FLP Part A, page 2

Performance Record for Will King

### III-A Rote Counting

Materials None Rec. Pln. First come, 20 items or 30 sec.

Say COUNT FROM 1 TO 20. (5 sec.)



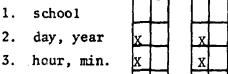
Record

### IV-A Time Concepts

Materials None

Rec. Pln. Movement based, 13 items

DO YOU GO TO SCHOOL IN THE DAYTIME OR NIGHT? (10 sec. for 6 items; 30 Say sec. for days of the week)



8. Monday 9. Tuesday 10. Wednesday

4. month, week 11. Thursday 12. Friday

age 6. birthday

Sunday 7.

13. Saturday

### Record

5.

FLP Part A, page 3

Performance Record for \_\_\_ Will King

# V-A Size-Quantity Concepts

Materials A pages 1 - 10

Rec. Pln. Movement based, 10 items

Say Which one is the \_\_\_? (5 sec.)

.1. big apple 2. thin cowboy

- 6. tall tree 7. few balls

3. wide window

8. fat cowboy

4. small ball

9. short flower

most circles

10. empty glass

### Record

### VI-A Shape Concepts

Materials A pages 11 - 16 Rec. Pln. Movement based, 6 items

Say WHAT IS THIS SHAPE CALLED? (5 sec.)

11. square

14. circle

12. triangle

15. rectangle

13. diamond

16. star



### Record

### VII-A Position and Direction Concepts

Materials A pages 17 - 26

Rec. Pln. Movement oased, 10 items

POINT TO THE FIGURE THAT IS ABOVE THE BOX. (5 sec.) Say

17. above

- 22. in

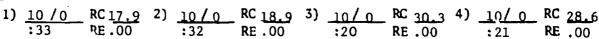
18. middle

- 23. behind
- 24. between

19. under 20. near

21. front

- 25. one end
- 26. on





Performance Record for Will King

### VIII-A Same-Different Concepts

Materials A pages 27 - 32

Rec. Pln. Movement based, 15 items

POINT TO EACH ONE THAT IS THE SAME AS THIS ONE (pages 27, 29, 32) or Say DIFFERENT FROM THIS ONE (pages 28, 30, 31). ARE THERE ANY OTHERS WHICH ARE THE SAME? (20 sec.)

- 27. square (same)
- triangle (dif) 28. 29. diamond (same)

- 30. circles (dif.)
- 31. rectangle (dif.)
- 32. stars (same)





### Record

### IX-A Clock Time Concepts

A pages 33 - 42 Materials

Rec. Pln. Movement based, 10 items

WHAT TIME DOES THIS CLOCK SAY? (15 sec.) Say

- 33. 3:00 6:00 34. 10:30 J6. 1:30
- 37. 5:30

38. 7:00 39. 8:30 40. 7:30 41. 2:00 42. 4:00

FLP 'Part A, page 5

Performance Record for Will King

### X-A Negative Concepts

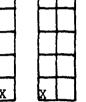
Materials A pages 43 - 52

Rec. Pln. Movement based, 10 items

Say WHICH SHAPE IS NOT A ? (5 sec.)

- 43. not square
- 44. not number
- 45. not white
- 46. not tall
- 47. not letter

- 48. not circle
- 49. not on table
- 50. not in box
- 51. not black
- 52. not triangle | x | x



### Record

1) 7 / 3 RC 9.72 2) 9 /1 RC 14.5 3) 9 /1 RC 21.4 4) 9 /1 RC 19.6 RE 4.17 :37 RE 1.61 :25 RE 2.38 :27 RE 2.17

### XI-A Letter-Number Discrimination

Materials A pages 53 - 58 Rec. Pln. Movement based, 30 items

Say

SEE THIS ONE. FIND ALL THE ONES JUST LIKE IT OVER HERE. (20 sec.)

- 55. m's 56. 3's

### Record

1) 30/1 RC 47.6 2) 30/1 RC 51.7 3) 30/1 RC 69.8 4) 30/1 :38 RE 1.59 :35 RE 1.72 :26 RE 2.33 :24

### XII-A Color Names Concept

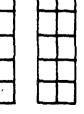
Materials A pages 59 - 68

Rec. Pln. Movement based, 10 items

WHAT COLOR IS THIS? TELL ME WHAT COLOR THIS IS. ( 5 sec.) Say

- 59. red
- 60. blue 61. black
- 62. white
- green

- 64. yellow
- 65. brown
- 66. orange 67. purple
- 68. pink



### Record

1) 10/0 RC 12.9 2) 10/0 RC 45.4 3) 10/0 RC 45.4 4) 10/0 RC 55.5 :46 RE .00 :13 RE .00 :13 RE .00 :11 RE .00



### PERFORMANCE RECORD

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### Part B: Basic Academic Skills

Nam	e	_		Wil	1	King				Sc	hoc	1	_	Pine A	Air	<u>e</u>							
Bir	thda	ate _		9/7	/6	6			-	Gr	ade	9	_1	irst				_					_ <del>_</del>
Rac	e	_		Bla	ck				<b>.</b>	Τe	each	ner	<u>N</u>	liss.	Fra	anc i	is						
Sex		_		Mal	e	_				Sa	mp]	ler	1	ırs. 1	Nano	еу С	Car	row					
'at	es (	of Be	ehav	vior	Sa	emples:	11 / m	/ 6 / 7 d y	72	() ./ <b>.</b> .	11 m	/ 7	7d	/ <b>7</b> 2	<u>5</u>	/ 8	3 /7: y	3		5 /9 ma (	9 /7 d :	73 y	
<u>I-B</u>	F:	Indi	ig I	ette	ers	<u> </u>																	
Mat	eria	als	Par	t B	, I	Pages 1-2	2			Re	c.	P1	n.	Fir	st (	Come	e,	26	Ite	ms (	or 1	L M:	in.
Say	V	√HEN	1 5	SAY A	A I	LETTER NA	ME,	YOU	POI	INI	TC	) I'	T (	ON TH	IS:	SHEI	ET.	(	5 s	ec.	pei	r <b>1</b> 1	tem)
1.	A						10.	D								15	9.	v	Γ	$\prod$		7	7
2.	С						11.	I		X						20	Ο.	G		П			7
3.	F						12.	E		Х				<u> </u>		21	1.	P		П		1	7
4.	N						13.	Z								22	2.	W		П		1	
5.	s			$\prod$			14.	K								23	3.	R		П		1	1
6.	В	$\prod_{i}$					15.	Q	7							24	4.	Y		H	Ì	十	1
7.	U	X ;	7	x			16.	L		1						25	5.	M		H	t	+	1
8.	н		7		7		17.	x								26		J		H		+	1
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### Record

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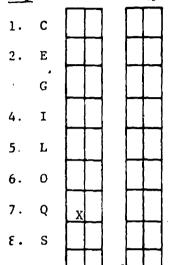


### 11-B Naming Upper Case Letters

Materials Part B, Pages 3-4

Rec. Pln. First Come, 26 Items or 1 Min.

Say START HERE (point to the first letter) AND SAY THE NAME OF EACH LETTER. (5 sec.



10.	M	
11.	W	
12.	Y	
13.	A	
14.	D	
15.	В	
16.	F	
17.	H	
		1 1 1 1 1 1

18. J

19.	K			
20.	N	X		
21.	P			
22.	R			
23.	T			
24.	v			
25.	х			
26.	Z			

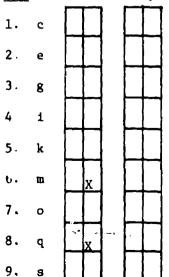
Record

### III-B Naming Lower Case Letters

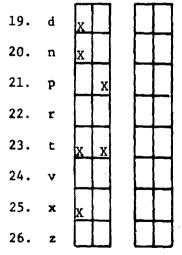
Materials Part B, Pages 5-6

Rec. Pln. First Come, 26 Items or 1 Min.

Say START HERE (point to the first letter) AND SAY THE NAME OF EACH LETTER. (5 sec.)



		 •
10.	u	
11.	w	
12.	у	
13.	a	
14.	ъ	хх
15.	1	
16.	f	
17.	h	



Record

1) 22/4 RC 32.4 2) 22/4 RC 31.4 3) 25/1 RC 50.0 4) 24/2 RC 45.3 RE  $_{2.00}$  RE  $_{2.00}$  RE  $_{3.77}$ 

18.

FLP Part B, Page 3

### IV-B Copying Upper Case Letters

### Materials Worksheet #1

Rec. Pln. First Come, 26 Items or 2 Min.

Say		COPY THESE LETTERS.	WRITE	TH	em down	HERE.	(Point below the letter.)
1.	A		10.	J			19. S
2.	В		11.	ĸ			20. T
3.	С		12.	L			21. U
4.	D		13.	Þi			22. V
5.	E		14.	K			23. W
6.	F		15.	0			24. X
7.	G		16.	P			25. Y
8.	Н		17.	Q			26. Z
9.	I		18.	R		Ш	

Record	1)	20/0	RC 10.0	2)	22 / 0	RC	11.0	3)	26/0	RC 19.7	4) 26/0	RC	23.0
		2:00	RE.CO		2:00	RE	.00		1:19	RE .00	1:08	RE	.00

### V-B Copying Lower Case Letters

### Materials Worksheet #2

Rec. Pln. First Come, 26 Items or 2 Min.

Say	COPY THESE LETTERS.	WRITE THEM DOWN HERE.	(Point below the letter)
1.	а	10. j	19. s
2.	ь	11. k	20. t
3.	c	12. 1	21. u
4.	d	13. m	22. v
5.	e	14. n	23. w
٥.	f	15. 0	24. x
7.	8	16. p	25. y
8.	h	17. q	26. z
9.	1	18. r	

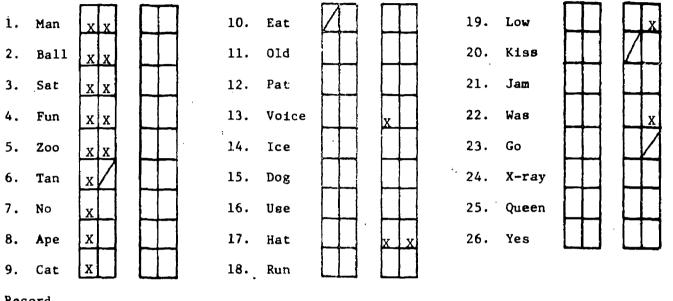
1) 
$$\frac{20 / 0}{2:00}$$
 RC10.0 RE.00

### VI-B Finding Letter Sounds

### Materials Word List Below

Rec. Pln. First Come, 26 Items or 1 Min.

Say I AM GOING TO SAY SOME WORDS. WHEN I SAY A WORD, TELL ME WHICH LETTER STARTS MY WORD. YOU WILL BE ABLE TO TELL BY THE SOUND THE LETTER MAKES. (5 sec.)



Record

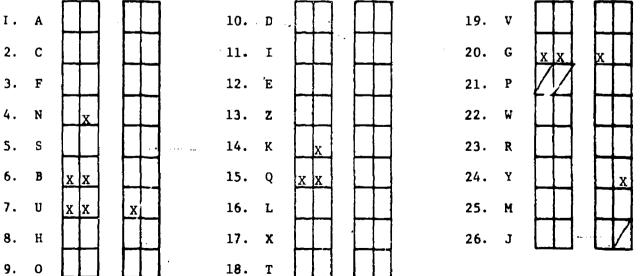
1) / RC NS 2) / RC NS 3) 17/2 RC 17.0 4) 19/3 RC 19.0

RE NS RE NS 1:00 RE 2.00 1:00 RE 3.00

### VII-B Writing Letters

Materials Sheet of primary grade writing Rec. Pln. First Come, 26 Items or 2 Min. paper. Use list below for sequence of letters.

Say WHEN I SAY A LETTER NAME, YOU WRITE THE LETTER ON THIS PAPER. START HERE.



Record

1) <u>16 / 4</u> RC <u>8.00</u> 2) <u>14/6</u> RC <u>7.00</u> 3) <u>24/2</u> RC <u>12.4</u> 4) <u>25 / 1</u> RC <u>12.5</u> 2:00 RE 2.00 2:00 RE 3.00 1:56 RE 1.04 2:00 RE .50



### VIII-B Reading Basic Words

Materials 30 Flash Cards

Rec. Pln. First Come, 30 Items or 1 Min.

Say	SAY	THESE	WORDS AS I	SHOW	THEM TO	YOU.	(5 sec.)			<del></del> 1	<del></del>
1.	See	Ш		11.	Come	Ш		21.	An		ХX
2.	Go	хх		12.	Play	XX		22.	Ву	<b>↓</b>	ХX
3.	Look	Ш		13.	Like	XX		23.	Him		хx
4.	Can	Ш		14.	Said	хх		24.	May		ХX
5.	Me			15.	Going	хх	хх	25.	01d		
6.	Blue	хх		16.	Help			26.	Were		x
7.	Is	хх		17.	Away	XX	X	27.	How		4
8.	Work	Ш		18.	The	X		28.	Take		
9.	Ве	хх	хх	19.	I			29.	Her		
10.	Here	Ш		20.	Some		хх	30.	Put		

Record

1) 8/9	RC <u>8.0</u> 0	2) <u>9/10</u>	RC 9.00	3) 17/9	RC 17.0	4) 17 / 7	RC 17.0
1:00	RE 9.00	1:00	RE 10.0	1:00	RE 9.00	1:00	RE 7.00

### IX-B Reading Texts

Materials Part B, Pages 7-8 Rec. Pln. First Come, 1 Min.

Say READ THESE SENTENCES AS WELL AS YOU CAN. (5 sec. per word)

Record

Paragraph Level

List Words Incorrect:

Boy Into Had Woods After After Wanted Boy Wanted Cannot

### X-B Naming Numbers

Materials Part B, Pages 9-10

Rec. Pln. First Come, 20 Items or 1 Min.

WHEN I POINT TO A NUMBER YOU SAY ITS NAME. WHAT NUMBER IS THIS? (5 sec.) Say

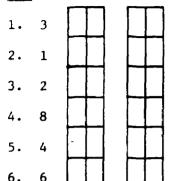
11. 4

12. 8

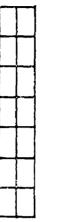
2

13.

14. 0



IDLK	100	JAI	113	II W	· III.
8.	7				
9.	0				
10.	9	Ц		Ц	



MDER	13	iuis:	()	sec.	,
15.	3				
16.	5				
17.	7				
18.	6				
19.	1				
20.	9				

Record

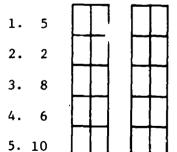
5

7.

XI-B Writing Numbers

Materials Sheet of primary writing paper. Rec. Pln. 10 Items or 2 Min. Use list below for sequence of Numbers.

I AM GOING TO SAY SOME NUMBERS. I WANT YOU TO WRITE THEM HERE. (Point to Say paper.) (5 sec.)



6.	4			
7.	1			
8.	3			
9.	7			
10.	9			

1) 
$$\frac{10'0}{:30}$$
 RC  $\frac{20.0}{RE}$   $\frac{20.0}{:31}$  RC  $\frac{19.2}{RE}$   $\frac{3}{.00}$   $\frac{10/0}{:32}$  RC  $\frac{18.9}{RE}$   $\frac{4}{.00}$   $\frac{10/0}{:21}$  RC  $\frac{28.6}{RE}$   $\frac{10}{.00}$ 

FLP Part B, page 7

Performance Record for Will King

### XII-B Counting Objects

Part B, pages 11 - 20 Materials

Rec. Pln. First come, 10 items or 1 min

Say HERE ARE SOME

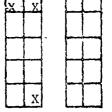
COUNT THEM.

- 1. 2 boats
- 2. 4 houses
- 3. 1 barn
- 4. 6 fish
- 3 pumpkins

- 6. 10 froms
- 7. 7 girls

(10 sec.)

- 8. 5 factories
- 9. 8 boys
- 10. 9 men



### Record

### XIII-B Identifying Number Sets

Worksheets #3 Materials

Rec. Pln. First come, 10 items or 1 min.

I AM GOING TO SAY A NUMBER. DRAW A LINE THROUGH THE NUMBER OF SYMBOLS THAT Say I SAY. FOR EXAMPLE, IF I SAY THREE, YOU DRAW A LINE THROUGH THREE OF THESE. (Point to symbols.) (5 sec.)

- 2 1. 2. 4 3. 1
- 4.
- 5. 7

6. 3 7. 6 8. 8 9. 9 10.10

### Record

### XIV-B Saying Addition Facts

Part B, pages 21 22 Materials

First come, 18 items or 1 min. Rec. Pln.

18.0 + 3

ADD THESE NUMBERS AND SAY THE ANSWER OUT LOUD. (5 sec. per item) Say

- 1.1 + 12.7 + 13.5 + 24.3 + 1
- 5.0 + 16.6 + 2
- 7.4 + 18.2 + 29.9 + 1
- 10.6 + 111.0 + 212.8 + 2
- 13.5 + 114.1 + 215. 2 + 316.8 + 117.7 + 2



Record	1
XVI-B	
Mater: Say	
1. 1	
2. 7	
3. 5	
4. 3	

FLP Part B, page 8  XV-B Writing Addition Facts	Performance Record for Will King
	Rec. Pln. First come, 18 items or 2 min.
Say       ADD THESE NUMBERS AND WRITE THE ANS         1. 1 + 1       7. 0 + 1         2. 6 + 1       8. 7 + 1         3. 2 + 2       9. 0 + 2         4. 4 + 1       10. 1 + 2         5. 3 + 1       11. 0 + 2         6. 8 + 1       12. 7 + 2	WER HERE. (Point by problem.) (5 sec.)  13. 5 + 2
Record	3) / RC NS 4) / RC NS RE
<pre>XVI-B Saying Subtraction Facts  Materials Part B, pages 23 - 24 Say SUBTRACT THESE NUMBERS AND SAY THE  1. 1 - 1</pre>	Rec. Pln. First come, 18 items or 1 min.  ANSWER OUT LOUD. (5 sec.)  13. 5 - 1  14. 2 - 1
3. 5 - 2 4. 3 - 1 5. 1 - 0 6. 6 - 2 Record	15. 3 - 2 16. 8 - 1 17. 7 - 2 18. 3 - 0
<del></del>	S 3) / RC NS 4) / RC NS RE RE

# FLORIDA LANGUAGE PROFILE

### PERFORMANCE RECORD

# Copyright c 1971 by Wolking, Nancarrow, Ehrhardt and Beckum

	WOLKING, IN	aicarion, En	indiat w.				
) )	Part A:	Basic Langu	age Conce	pts			
Name	Jill Putman		School _	Sylvian La	ne		
Birthdate	11/24/67		Grade _	First			
Race	White		Teacher_	Mrs. Parks			
Sex	Female		Sampler_	Harry Hart			
Dates of B	Sehavior Samples:	9/6/72 m d y	9/7/ m d	72 12/5/ y m d	72 12/6 y m d	/ 72 y	
I-A Body	Parts Concepts	•					
Materials	-	•		Moveme	ent based,	21 item	TLS
Say S	SHOW ME YOUR	(5 sec. pe	r item)				<del></del>
l. wrist		8. mouth		15.			1
2. foot		9. hand	<b> -</b>  - - - - - - - - - - - - - - - - - -	16.			
<ol><li>head</li></ol>		10. arm	<b>}</b>	17.			<del>                                      </del>
4. leg		11. back	++-	18.		1	<del>       </del>
5. <b>e</b> ye		12. knee		19.	finger		1-1-1
6. <b>ea</b> r		13. chest	K X	X 20.	elbow		
7. nose		14. toe		21.	waist		
Record 1)	18/3 RC 16.7 1:50 RE 2.78	2) <u>19 / 2</u> 1:00	RC 19.0 RE 2.00	3) <u>19 / 2</u> 1 :38	RC <u>30.</u> 24) RE 3.17	20/1:38	RC 31.7 RE 1.59
II-A Right-Lef	t Concepts						
Materials Non	ıe	_	Rec. Pln.	Movemen	nt based,	10 item	s ·
Say HOLD UP Y	OUR (5 s	sec.)					
l. Right hand	$\mathbf{x}\mathbf{x}$		6.	right foot	x		
Right leg	$\mathbf{x}$		7.	my left hand	1 X	хх	
S. Left foot			8.	head to left	t   <u> </u>		
l. left hand	x x			my right har		$\mathbf{x} \mathbf{x}$	
. head to rig			10.	left leg			
Record 1)5/5					_		
		/4 RC 10.0 3	3) <u>8 /2</u>	RC 11.1 4)	8 / 2 RC	11.9	
:49	RE 6.10 :3	6 RE 6.67	:43	RE 2.78	:40	2.99	

FLP Part A, page 2

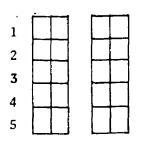
Performance Record for \_\_\_\_\_Jill Putman

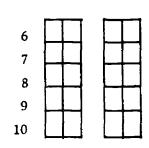
### III-A Rote Counting

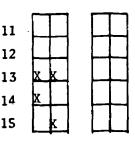
Materials None

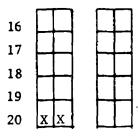
Rec. Pln. First come, 20 items or 30 sec.

Say COUNT FROM 1 TO 20. (5 sec.)









Record

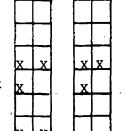
### IV-A Time Concepts

Materials None

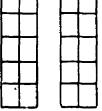
Rec. Pln. Movement based, 13 items

Say DO YOU GO TO SCHOOL IN THE DAYTIME OR NIGHT? (10 sec. for 6 items; 30 sec. for days of the week)

- 1. school
- 2. day, year
- 3. hour, min.
- 4. month, week
- 5. age
- 6. birthday
- 7. Sunday



- 8. Monday
- 9. Tuesday
- 10. Wednesday
- 11. Thursday
- 12. Friday
- 13. Saturday



F! D	Dare	Δ	page	3
rur	rart	м,	page	J

Performance Record for Jill Putman

### V-A Size-Quantity Concepts

### Materials A pages 1 - 10

Rec. Pln. Movement based, 10 items

Say Which one is the \_\_\_? (5 sec.)

- .1. big apple 2. thin cowboy 3. Wide window
- 6. tall tree 7. few balls 8. fat cowboy 9. short flower

- 4. small ball
- 5. most circles
- Record

### VI-A Shape Concepts

Materials A pages 11 - 16

Rec. Pln. Movement based, 6 items

Say WHAT IS THIS SHAPE CALLED? (5 sec.)

- 11. squa**r**e 12. triangle
- 13. diamond

- 14. circle
- 15. rectangle

10. empty glass

16. star



### Record

# VII-A Position and Direction Concepts

Materials A pages 17 - 26

Rec. Pln. Movement based, 10 items

POINT TO THE FIGURE THAT IS ABOVE THE BOX. (5 sec.) Say

17. above 18. middle 19. under 20. near

- 22. in
- 23. behind
- 24. between
- 25. one end on



# Record

front

1) 9 / 1 RC 19.1 2) 9 / 1 RC 13.4 3) 10 / 0 RC 26.3 4) 10 / 0 RC 26.3 :28 RE 2.13 :40 RE 1.49 :23 RE .00 :23 RE .00

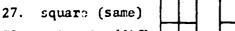
26.

### VIII-A Same-Different Concepts

Materials A pages 27 - 32

Rec. Pln. Movement based, 15 items

POINT TO EACH ONE THAT IS THE SAME AS THIS ONE (pages 27, 29, 32) or Say DIFFERENT FROM THIS ONE (pages 28, 30, 31). ARE THERE ANY OTHERS WHICH ARE THE SAME? (20 sec.)



ال	L	1
7		
1		17

29. diamond (same)

32. stars (same)

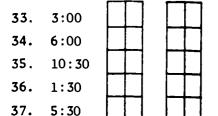
### Record

### IX-A Clock Time Concepts

Materials A pages 33 - 42

Rec. Pln. Movement based, 10 items

Say WHAT TIME DOES THIS CLOCK SAY? (15 sec.)





FLP Part A, page 5

Performance Record for Jill Putman

### X-A Negative Concepts

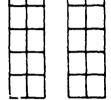
Materials A pages 43 - 52

Rec. Pln. Movement based, 10 items

WHICH SHAPE IS NOT A ? (5 sec.) Say

- 43. not square
- 44. not number
- 45. not white
- not tall 46. 47. not letter

- 48. not circle
- not on table 49.
- 50. not in box
- not black 51.
- 52. not triangle



### Record

### XI-A Letter-Number Discrimination

Materials A pages 53 - 58

Rec. Pln. Movement based, 30 items

SEE THIS ONE. FIND ALL THE ONES JUST LIKE IT OVER HERE. (20 sec.) Say

- **55.** b's
- 56.

### Record

# XII-A Color Names Concept

A pages 59 ~ 68 Materials

Rec. Pln. Movement based, 10 items

WHAT COLOR IS THIS? TELL ME WHAT COLOR THIS IS. ( 5 sec.) Say

59. red 60. blue 61. black

white

green

64. yellow

66.

67.

68.

65. brown

pink

- orange purple

### Record

62.

- 61 -

### PERFORMANCE RECORD

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Part B: Basic Academic Skills

Name	6		Jill Put	man		Scho	o <u>ļ</u>	Sylv	ian Lane			
Bir	thda	te	11/24/67	· · · · · · · · · · · · · · · · · · ·		Grad	e	Firs	t			
Race	е		White			Teac	her _	Mrs.	Parks			
Sex			Female			Samp	ler _	Harr	y Hart			
Date	es o	f Beha	wior Sam	ples: 9 / m d	6 / 72 l y	<u>9</u>	/ 7 /	<u>7</u> 2	12 /5 /7 m d y	2_	12 /6 m d	/72 y
<u>I-B</u>	Fi	nding	Letters									
Mate	eria	ls Pa	rt B, Pag	ges 1-2		Rec.	Pln.	Firs	t Come,	26 I	tems o	r 1 Min.
Şay	W	HEN I	SAY A LE	rter name, y	00 PO	INT T	0 IT 0	N THI	S SHEET.	(5	sec.	per item
1.	A			10.	D X				19.	v		
2.	С	хх		11.	I			•	20.	G	Ш	
2.	F	хх		12.	E 2	<u> </u>		*	21.	P	Ш	
4.	N	хx		13.	z ,	<u> </u>			22.	W	Ш	
5.	S			14.	K Z				23.	R		
6.	В	хх		15.	Q L				. 24.	Y		
7.	U			16.	L				25.	M		
8.	н			17.	x [				26.	J	Ш	
9.	0		Ш	18.	T [							

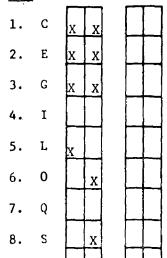


### II-B Naming Upper Case Letters

Materials Part B, Pages 3-4

Rec. Pln. First Come, 26 Items or 1 Min.

START HERE (point to the first letter) AND SAY THE NAME OF EACH LETTER. (5 sec.) Say



Lile	LILBC			61)	- 62	 ١
10.	M	X	Х			
11.	W	L	X_			
12.	Y					İ
13.	Å		$\angle$			
14.	t, <b>D</b>					
15.	В				•	
16.	F	$\angle$				
17.	н					

19.	ĸ.			
20.	N			
21.	P			
22.	R			
23.	T			
24.	V			
25.	X			
26.	Z	Ш		

### Record

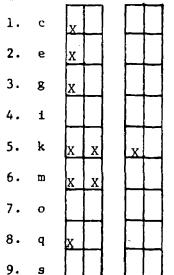
9.

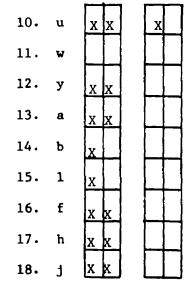
### III-B Naming Lower Case Letters

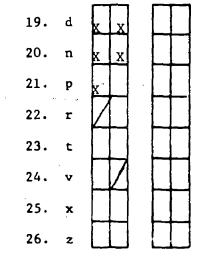
Materials Part B, Pages 5-6

Rec. Pln. First Come, 26 Items or 1 Min.

START HERE (point to the first letter) AND SAY THE NAME OF EACH LETTER. (5 sec.) Say







### Record

1) 4/<u>17</u> RC 4.00 2) 13 / 10 RC 13.0 3) 24 / 2 RC 24.0 4) 26 /0 RC 26.0 1:00 17.0 1:00 10.0 1:00 2.00 1:00 .00 - 63 -



### IV-B Copying Upper Case Letters

### Materials Worksheet #1

Rec. Pln. First Come, 26 Items or 2 Min.

COPY THESE LETTERS. WRITE THEM DOWN HERE. (Point below the letter.) Say 1. A 2. В 3. C 4. D

	~	••	~~	 	_
10.	J	X	X		
11.	K				
12.	L		Х		Ĺ
13.	M				
14.			v		

15. 0

16. P

17. Q

	_		
19.	S		
20.	T		
21.	υ	Ш	
22.	v		
23.	W		
24.	x		
<b>2</b> 5.	Y		
26.	z		

F 6. 7. 8.

£ 5.

9.

_	X.	X.,		
Н				
I				

J	
	٠٠

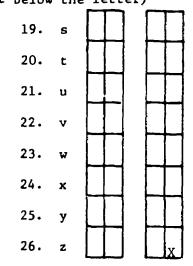
# V-B Copying Lower Case Letters

Materials Worksheet #2

Rec. Pln. First Come, 26 Items or 2 Min.

COPY THESE LETTERS. WRITE THEM DOWN HERE. (Point below the letter) Say 1. a 2. ъ 3. c 4. d 5. e

10.	j			
11.	k			
12.	1			
13.	m			
14.	n			
15.	0			
16.	p			
17.	q			



Record

9. 1

6. f

7. g

8. h

1) 3/4 RC 3.00 2) 3/1 RC 3.00 3) 26/0 RC 15.1 4) 25/1 RC 13.2 RE 1.00 1:00

18. r

1:43

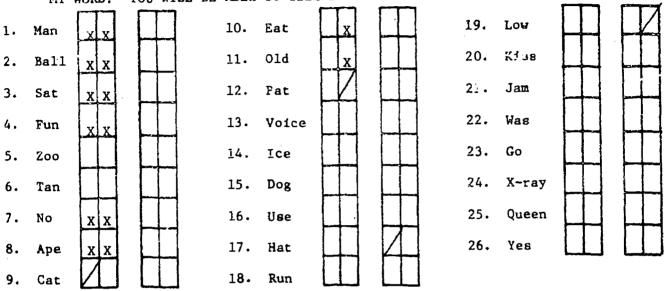
1:54 RE .53

# VI-B Finding Letter Sounds

## Materials Word List Below

Rec. Pln. First Come, 26 Items or 1 Min.

Say I AM GOING TO SAY SOME WORDS. WHEN I SAY A WORD, TELL ME WHICH LETTER STARTS MY WORD. YOU WILL BE ABLE TO TELL BY THE SOUND THE LETTER MAKES. (5 sec.)



Record

1) 5 /3 RC 5.00 2) 3 /8 RC 3.00 3) 16 / 0 RC 16.0 4) 18 /0 RC 18.0

1:00 RE 3.00 1:00 RE 8.00 1:00 RE .00 1:00 RE .00

# VII-B Writing Letters

Materials Sheet of primary grade writing Rec. Pln. First Come, 26 Items or 2 Min. paper. Use list below for sequence of letters.

Say WHEN I SAY A LETTER NAME, YOU WRITE THE LETTER ON THIS PAPER. START HERE.

347	•	utitett v	DAL II DULLDR	************	100	WILLIA	 	
Ι.	A			10.	D	x	19. V	И Ш
2.	С	хх		11.	I		20. G	
3.	F	XX		12.	. <b>E</b>	x	21. P	
4.	N	- <u> </u> x		13.	Z	хх	22. W	
5.	s			14.	K	хх	23. R	ЩЩ
6.	В	хх	•	15.	Q		24. Y	
7.	U	хх		16.	L		25. M	ИЩ
8.	H	хх		17.	X		26. J	ШШ
9.	0		·	18.	T			

Record

FLP Part B, Page 5

Performance Record for \_\_\_Jill Putman

#### VIII-B Reading Basic Words

Materials 30 Flash Cards

Rec. Pln. First Come, 30 Items or 1 Min.

Say	SAY	THESE	WORDS AS	I SHOW	THEM TO	YOU.	(5 sec.)			,	-	
1.	See			11.	Come	Х		21.	An	Ш		
2.	Go	X		12.	Play			22.	Ву			
3.	Look	X		13.	Like		X	23.	Him			
4.	Can			14.	Said			24.	May			
5	Me			15.	Going		X	25.	Old			
6.	Blue	х		16.	Help			26.	Were			
7.	Is			17.	Away			27.	How			
8.	Work	х		18.	The			28.	Take			
9.	Be	X		19.	I			29.	Her			
10.	Here	X		20.	Some			30.	Put			
Rec	ord			pen.								
	1)		RC NS RE NS		4 / 7 R : 00 R	C 4.00 E 1.00	3) <u>17 / 2</u> 1:00	RC 1	17.0 4 2.00	) <u>16 /</u> 1:00		

#### IX-B Reading Texts

Materials Part B, Pages 7-8

Rec. Pln. First Come, 1 Min.

Say READ THESE SENTENCES AS WELL AS YOU CAN. (5 sec. per word)

1) \_ / RC NS 2) \_ / RC NS 3) \_ / RC NS 4) \_ / RC NS NS RE NS

Paragraph Level

List Words Incorrect:



FLP Part B, Page 6

Performance Record for Jill Putman

## X-B Naming Numbers

Materials Part B, Pages 9-10

Rec. Pln. First Come, 20 Items or 1 Min.

Say WHEN I POINT TO A NUMBER YOU SAY ITS NAME. WHAT NUMBER IS THIS? (5 sec.) 3 3 7 1. 15. 3 2. 1 9. 0 16. 5 2 3. 10. 9 17. 7.

8 11. 5. 4 12. 8 5 13. 2 6. 7. 5 0 14.

18. 6 19. 1 20. 9

Record

1) 9/11 RC 9.00 2) 15/3 RC 15.03) 20 / 0 RC 40.0 4) 20 / 0 /RC 71.4 RE 3.00 1:00 RE 11:0 :30 RE .00 RE .00 1:00

#### XI-B Writing Numbers

Materials Sheet of primary writing paper. Rec. Pln. 10 Items or 2 Min. Use list below for sequence of Numbers.

I AM GOING TO SAY SOME NUMBERS. I WANT YOU TO WRITE THEM HERE. Say (Point to paper.) (5 sec.)

1. 5 6. 2. 2 7. 1 3. 8 8. 3 4. 6 7 5. 10 19. 9

## Record

4/6 RC3.54 2) 7 /3 RC 5.26 3) 10/0 RC 10.0 4) 9 /1 RC 9.00 1:08 RE<sub>5.31</sub> RE 2.26 RE .00 1:00 1:20

# XII-B Counting Objects

HERE ARE SOME

Materials Part B, pages 11 - 20 Rec. Pln. First come, 10 items or 1 min

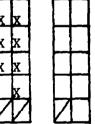
COUNT THEM. (10 sec.)

1. 2 boats

Say

- 2. 4 houses
- 3. 1 barn
- 4. 6 fish
- 5. 3 pumpkins

- 6. 10 frogs
- 7. 7 girls
- 8. 5 factories
- 9. 8 boys
- 10. 9 men



## Record

1) 6/3 RC 6.00 2) 5/4 RC 5.00 3) 9/0 RC 9.00 4) 10/0 RC 12.9 1:00 RE 3.00 1:00 RE 4.00 1:00 RE .00

## XIII-B Identifying Number Sets

Materials Worksheets #3

Rec. Pln. First come, 10 items or 1 min.

I AM GOING TO SAY A NUMBER. DRAW A LINE THROUGH THE NUMBER OF SYMBOLS THAT I SAY. FOR EXAMPLE, IF I SAY THREE, YOU DRAW A LINE THROUGH THREE OF THESE. (Point to symbols.) (5 sec.)

- 1. 2 2. 4 3. 1
- 4. 5
- 5. 7

6. 3 7. 6 8. 8 9. 9 10. 10

## Record

1)  $\frac{6}{1:00}$   $\frac{1}{1:00}$   $\frac{1}{1:00}$ 

# XIV-B Saying Addition Facts

Materials Part B, pages 21 22

Rec. Pln. First come, 18 items or 1 min.

Say ADD THESE NUMBERS AND SAY THE ANSWER OUT LOUD. (5 sec. per item)

7.4 + 1

- - 8. 2 + 2 9. 9 + 1 10. 6 + 1 11. 0 + 2 12. 8 + 2
- XX Z
- 13. 5 + 1 14. 1 + 2 15. 2 + 3 16. 8 + 1 17. 7 + 2 18. 0 + 3

# Record

6.6 + 2

1) 2 / 8 RC 2.00 2) 7 / 1 RC7.00 3) 6 / 1 RC 6.00 4) 8 / 1 RC 8.00 1:00 RE 1.00 RE 1.00

FLP Part B, page 8

Performance Record for Jill Putman

## XV-B Writing Addition Facts

Materials Worksheet Rec. Pln. First come, 18 items or 2 min.

ADD THESE NUMBERS AND WRITE THE ANSWER HERE. (Point by problem.) (S sec.) Say

			•	
1. 1 +	1 [	7. 0 + 1	13.	5 + 2
2. 6 +	1	8. 7 + 1	14.	6 + 2
3. 2 +	2	9. 0 + 2	15.	9 + 1
4. 4 +	1	10. 1 + 2	16.	8 + 2
5. 3 +	1	11. 0 + 2	17.	2 + 3
6. i+	1   X	12. 7 + 2	18.	0 + 3

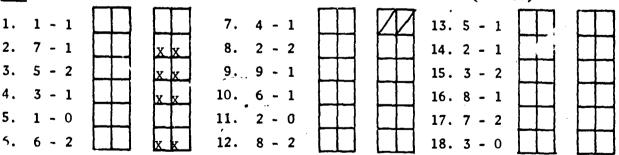
Record

# XVI-B Saying Subtraction Facts

Materials

Part B; pages 23 - 24 Rec. Pln. First come, 18 items or 1 min.

SUBTRACT THESE NUMBERS AND SAY THE ANSWER OUT LOUD. (5 sec.)



Record

APPENDIX B



SUNTER DIFFERENCE FLOTT 1 LF TAGE TTFILT

PART A

TEACHING WEEKS:

PRE SAMPLE DATE: 11/6/72

POST SAMPLE DATE:

SPEED INCORRECT		NE / AIW RET. V RE	2.44 .60	5.18	00. 00.	8.33 6.11 2.16	1.25 2.67 .94	7.40 5.66 2.17	.00 1.54	00. 00.	8.30	4.17 .00	1.59 1.87	00.
<u> </u>		S S S S S S S S S S S S S S S S S S S												
SPEED CORRECT	eV ser.	AIM	23.0 18.8	7.06	66.7 52.6 108	13.3 7.14 14.8	11.2 11.8 16.0	14.8 8.51 18.0	17.9 11.9 15.9	26.9 17.5 26.4	- 7.14	9.72 10.7	47.6 30.0	22.5
ACCURACY	PRE SI'L. POST	AIM AIM	88.5	50. 57.6 84.3	0 100 100	52. 53.8 87.2	90. 81.5 94.4	67. 60.0 89.2	0 88.5 100	0 100 100	57.3	70 87.2	94.1	100
	SAMP.	POST	6	2	100	\$	6	9	100	100	•	7	6	100
	ITEMS SA	PRE PO	21	10	20	13	10	9	10	15	NS	10	31	10
	_	O H F					×	×				×		×
			21	10	20	13	10	9	. 10		10	10		10
	F.L.P.	CONCEPTS	BODY PARTS	RIGHT-L FT	ROTE COUNTING	TIME	SIZE-QUANTITY	SHAPE	POSITION-DIRECT.	SANE-DIFF.	CLOCK TIME	NEGATION	LET./NUM. DISC.	COLOR

Will King NAME:

AGE:

Σ

SEX:

\*> 20% could not do task

SCHOOL: Pine Aire

FIRST - PALL GRADE:

Teacher: Miss Francis

- 11 -

SUMMARY DATA SHEET FLORIDA LANGUAGE PROFILE

PART B

PRE SAMPLE DATE:

TEACHING WEEKS:

				*	ACC	ACCURACY	SPEED CORRECT		SPEED INCORRECT
F.L.P CONCEPTS		T A A Q BT	ITEMS SAMP. PRE POST	SAMP.	PRE \$C	SEL. POST AIM AIM AIM	PRE SEL, POST RC AIM RET. RC	ADULT	PRE SEL. POST RE AIM RET RE AIM AIM
FIND LETTERS	26		14		86.	74.9	\$7.78/ 12.0 \15.0		2.00 2.60
SAY UPPER CASE	26		26		92.	76.7/	35.8 13.7		2.79 4.15
SAY LOWER CASE	56		92		85.	63.1	32.4 12.0		8.9
COPY UFPER CASE	26		20		100	00	10.0 7.0/s		.00 .88
COPY LOWER CASE	26		20		100	91.0	10.0 7.50		00.
SAY LETTER SOUNDS	26		NS		1	* 90.0	* 14.0		7.
WRITE LETTERS	26		20		80.	69.1 95.1	5.50/ 8.00 /10.5		2.00 2.45
READ WORDS	30		17		47.	* 76.7	8.00 * 13.2		9.00 4.00
READ TEXT			NS		•	*/87.0	- * /27.0		4.00
NAME NUMBERS	20	×	20		100	00	23.5 24.8		.00 3.40
WRITE NUMBERS	10		10		100	62.8	20.0 6.25		3.70
COUNT OBJECTS	2		10		90.	86.8/	9.18 8.75		1.33
IDENT. NUMBERS	9	×	6		78.	74.3	2.00 5.80		2.00
SAY ADDITION FACTS	18		NS		,	100	11.0		00.
WRITE ADDITION FACTS	18		NS	-	1	100	- */8.90		00.
SAY SUBTRACTION FACTS	18	-	NS		'	100	100		00



끮 DA. (N) ILE 띥 Ż ĽOĽ

PART A

TEACHING WEEKS:

" TE SAMPLE DATE: 5/8/73

POST SAMPLE DATE:

					Γ	<u> </u>	<del></del> -		<u> </u>				·	ì
SPEED INCORRECT	ADULT PRE SEL. POST NORM RE AIW RET. RE AIM	2.54	6.51	00 00.	5.00 4.70	.00 2.57	4.35 6.57 3.23	.00 1.72	00. 00.	9.62	2.38 2.00	2.33 1.72	00. 00.	
CT	POST			·										
SPEED CORRECT	SEL. AIM RET. AIM	21.6	7.10	86.9	10.0	14.9	10.7	14.9	24.1	4.51	13.2	36.4	32.1	
SPE	PRE RC	35,1	7	20.0	16.7	28,6	8.70	30.3	46.8		21.4	8,69	45,4	
	POST													
ACCURACY	SEL. AIW PET. AIM	89.4	52.1	100 100	68.0	85.2	61.9	86.0	100	30.1	86.8	95.3	100	
	PRE	95	80	100	77	100	67	100	100	1	, 06	97	100	
\$ a.	2/3													
	ITEMS	21	10 ,	20	13	10	9	10	15	NS	10	31	ΣÔ	
	T R T E				XX					XX	××	ХХ		
		21	10	20	13	10	9	. 10		10	20		2	
	F.L.P. CONCEPTS	BODY PARTS	RIGIT-LEFT	ROTE COUNTING	TIME	SIZE-QUANTITY	SHAPE	POSITION-DIRECT.	SAME-DIFF.	CLOCK TINE	NEGATION	LET./NUM. DISC.	COLOR	

Will King NAME:

AGE:

Male

SEX:

SCHOOL: Pine Aire \* > 20% could not do task

GRADE: FIRST - SPRING

Teacher: Miss. Francis

FLORIDA LANGUAGE, PROFILE SUMMARY DATA SHEET

PART B

TEACHING WEEKS:

5/8/13

PRE SAMPLE DATE:

POST SAMPLE DATE:

POST RE NCORRECT SEL. AIM/RET .59 0.70 2.08/00 .00 .50 8 3.42 7.00 3.33 1.49/ 1.79 1.43 5.82 4.82 8.00 1.50 3.00 2.00 2.27 SPEED co. 2.00 9.00 8 8 1.00 00 1.00 2.00 00 1.04 4.00 8 1 ADULT NORM POST RC SPEED CORRECT SEL. AIM RET. 7.00/ 6.00% 10.0 10.5 10.0 9.0 20.02 17.0 50.0 17.0 17.0 60.5 19.7 19.0 9.09 18.9 8.00 16.0 15.4 PRE RC POST 8 SEL./ AIM/RET./ AIM/ 57.1/ 62.4 89.9700 86.97 83.3/ 100 93. ×100 75.5/ 100 100 100 ACCURACY 80.1 PRE 3C 100 100 100 100 100 100 100 Si 89 SAMP. PRE I 26 10 10 9 16 18 26 07 20 SS SS. 18 XX A R O HF × 18 26 55 26. 22 20 10 10 10 SUBTRACTION FACTS F.L.P CONCEPTS IDENT. NUMBERS ADDITION FACTS ADDITION FACTS WRITE NUMBERS COUNT OBJECTS SENIOS & ELTA ERITE IN MERS NAME NUMBERS FIND LETTERS I CHER CASE JPPER CASE LOWER CASE JPPER CASE READ WORDS READ TEXT WRITE

8

- 74



".JAM "" DAT. "TEET "ORI" JANC" E P"" LE

PART A

TEACHING WEEKS:

9/6/72

PRE SAMPLE DATE:

16

POST SAMPLE DATE: 12/5/73

Jill Putman NAME: AGE:

Female

SEX:

SCHOOL: GRADE: \* > 20% could not do task

FIRST - FALL

Sylvian Lane

Mrs. Parks

Teacher:

NS--No Sample

SUMMARY DATA SHEET FLORIDA LANGUAGE PROFILE

PART B

9/6/72

PRE SAMPLE DATE:

TEACHING WEEKS: 16

POST SAMPLE DATE: 12/5/72

					AC	CURACY		35	SPEED CORRECT	ננ	•	SPEED	INCORRECT	
F.L.P CONCEPTS		F 4 & 5 EF	ITEMS	SAMP.	PRE %C	SEL. AIM HET.	POST	PRE RC	SEL. AIM RET. AIM	POST	ADULT NORM	PRE S	SEL. AIM RET	POST
FIND LETTERS	26	×	13	12	.6	74.9	100	6.00	7.78	17.0		7.00	2.60	.00
	26	×	9	22	٠. د	76.7/	100	6.00	13.7	34.7		9.00	4.15	00
CASE	26	×.	11	17	36.	6.	92.	4.00	12.0	24.0		17.0	6.99	2.00
COPY UPPER CASE	26	*	11	18	i		100	4.00	7.70/	9.00		1.50	.58	00.
·	26	×	1	92	7	91.0	100	3.00	7.50/	15.1		4.00	. 70	00.
SAY LLTHER SOUNDS	26	)	တ	14.3 	63.	0.06	100	5.00	* 14.0	16.0		3.00	* 1.50	00.
WRITE LETTERS	26	:<	17	8	41.	69.1	94.	3.50	5.50/	8.50		5.00	2.45	.50
READ WORDS	30		NS	19		1,76.7	89.		* 13.2	17.0		- 1	4.00	2.00
READ TEXT		×	NS	NS	1		•	•	* 27.0			•	4.00	. '
NAME NUMBERS	20	×	20	20	45.	87.9	100	9.00	24.8	40.0		11.0	3.40	00.
WRITE NUMBERS	10	×	10	10	40.	62.8	100	3.54	6.25	10.0		5.31	3.70	80.
COUNT OBJECTS	10		6	6	67.	86.8	100	6.00	8.75	9.00		3.00	1.33	00.
IDENT. NUMBERS	21		7	6	86.	74.3	100	6.00	5.80	9.00		1.00	2:00	8.
SAY ADDITION FACTS	18		10	7	20	100	86.	2.00	* 11.0	6.00		8.00	• 00.	1.00
WRITE ADDITION FACTS	18	×	NS	13	•	100	92.	1	8.90	12.0		•	00.	.00
SAY SUBTRACTION FACTS	18	×	NS	9	,	100	33.	,	100	2.00		,	, 00.	4.00



FLORIDA LANGUAGE PROFILE SUMMAN DAIN SHELL

PART A

TEACHING WEEKS:

PRE SAMPLE DATE:

POST SAMPLE DATE:

				ACCURACY	SPEED CORRECT		SPEED INCORRECT
F.L.P. CONCEPTS		TEGRAT	ITEMS SAMP.	PRE %C	PRE SEL. POST RC AIM RET. RC AIM	ADULT	2 2
BODY PARTS	21			86.4	.15.9		2:50
RIGHT-LEFT	10				5.26 9.76		6.00 -2.74
ROTE COUNTING	20			81.3	34.9		8.00
TIME	13				5.56		8.68
SIZE-QUANTITY	10			73.9	9.18		3.23
SHAPE	9			45.6	6.00		7.14
POSITION-DIRECT.	10		-		9.64 12.8		2.19
SAME-DIFF.				64.0	10.7		00.9
CLOCK TIME	21			41.1	4.44		* 6.36
NEGATION	10			72.7	7.65 11.2		2.86
LET./NUM. DISC.	! 		The state of the s	86.8	22 5 32.9		3.41
COLOR	2			100	12 6 28.4		3.75
			,				

GRADE: KINDERGARTEN - FALL SCHOOL: TEACHER: \* > 20% could not do task NAME: AGE: SEX:

TLOI LA GE TILE SUM.... DA... CHEE.

PART B

TEACHING WEEKS:

PRE SAMPLE DATE:

				٠	l	
	- {		ACCURACY	SPEED CORRECT		SPEED INCORRECT
	エカスの当下	ITEMS SAMP. PRE POST	PRE SEL. POST %C AIM RET. %C	PRE SEL. POST RC AIM RET. RC	ADULT NORM	PRE SEL. POST RE AIM RET. RE
92			81.8	9.00		2.00
26			3.68	* 25.6		3.00
26			31.2/	5.00		11.05.38
26	1		100	* 8.50		80.
26			4, 93.7	* 7.50		* .50
26			8.18	* 9.00		*
26				* 7.00		1.68
30	- }			* 6.00		* 5.00
			* 55.5	* 5.00		4.00
20			1.46	* 32.1		2.00
01			29.4	2.50		6.00/3.08
10	1		* 90.2	00.6		* 76,
			* 100	* 6.00		*
18			* 75.0	* 6.00		* 2.00
18			* 83.3	2.00		100
18			* 66.6	<b>4</b> .00		2.00
		•				



SUMPLUS DAIN SHEET PLOKIUM LANGUAGE FRUPILE

FART A

TEACHING WEEKS:

PRE SAMPLE DATE:

POST SAMPLE DATE:

**POST** 8 3.57 AIM RET. SPEED INCORRE 8 8 8 18.4 SEL. 7.96 10.3 2.63 6.67 6.5 KINDERGARTEN - WINTER ADULT PRE NORM RE POST RC 14.8 13.6 34.5 SPEED CORRECT 15.4 33.3 AIM/RET. AIM, 33 SCHOOL: \*> 20% could not . GRADE: do task SEL. 0. 8/ . 6/ 16.7 20.9 25.9 6.670 8 8 PRE 2 POST 80.5 94.2 80.8 88.7 75.7 96.1 90 100 100 00 AIN RET. AIM/ ACCURACY 74.2. SEL. 54.5 43.0 9.98 88.8 7.95 83 52 89 PRE \ SAMP. POST I TEMS PRE H A R D H H 10 10 10 21 20 10 10 POSITION-DIRECT. LET./NUM. DISC ROTE COUNTING SIZE-QUANTITY NAME: AGE: F.L.P. CONCEPTS **BODY PARTS** RIGHT-LEFT CLOCK TIME SAME-DIFF. NEGATION SHAPE COLOR TIME

TEACHER:

SEX:



TUMY THEE LOFT LATTER TANTILE

PART B

PRE SAMPLE DATE:

TEACHING WEEKS:

POST SAMPLE DATE:

POST RE SPEED INCORRECT SEL. AIM RET. 12.0 .38 9. 5.5 10.0 18.0 10.0 2.00 2 P.R. ADULT VSEL. POST AIM RET. RC SPEED CORRECT 10.0 42.9 19.0 6.85 9.0 % 9.0 3.0 3.7 .08 AIM RET. SC 86.6 81.0 63.7 99.1 83.6 69 95 ) 2 2 2 3 19 ACCU: 3ACY (K/g) 38.8 53.3 53.3 ্ল <u>ر</u>و PRE %C ITEMS SAMP.
PRE POST すぬれば臣 18 26 26 32 18 26 26 56 26 07 2 26 3 20 10 SUBTRACTION FACTS F.L.P CONCEPTS APDITION FACTS IDENT. NUMBERS ALDITION FACTS LETTER SOUNDS WRITE LETTERS WRITE NUMBERS COUNT OBJECTS FIND LETTERS NAME NUMBERS LOWER CASE SAY UPPER CASE LOWER CASE UPPER CASE READ WORDS READ TEXT KRITE COPY SOPY



FLOKIUM LANGUAGE FINGTLE SUMMAN DAIN THEE.

PART A

TEACHING WEEKS:

PRE SAMPLE DATE:

POST SAMPLE DATE:

SPEED INCORRECT	NORM RE AIM RET RE	3.70	7.78	5.5600	7.76 3.57	3.51	6.67	2.17	6.00	11.6	2.67	3.08	2.86
SPEED CORRECT	PRE SEL. POST RC AIM RET. RC AIM	18.5	5.56	51.0	6.32	12.5	8.70	12.0 17.5	14.7	1.40	10.3	27.1 38.9	24.2
ACCURACY	PRE SEL. POST %C AIM RET. %C	83.3	41.6	90.1	44.8	78.0	56.6	84.6	71.0	10.7	79.4	89.7	89.4
1	SAMP.										1		
	ITEMS						,			18 N N N			
	T E G R A T	. 21	10	20	13	10	9	10			10		10
		BODY PARTS	RICHT-LEFT	ROTE COUNTING	TIME	SIZE-QUANTITY	SHAPE	POSITION-DIRECT.	SAME-DIFF.	CLOCK TIME	NEGATION	LET./NUM. DISC.	COLOR

KINDERGARTEN - SPRING SCHOOL: GRADE: \*>> 20% could not do task NAME: AGE: SEX:

TEACHER:

ERIC Full Toxet Provided by ERIC

FLOPTER LAWFIL/GE PROFILE SUMMARY DAMA SHEET

PART B

TEACHING WEEKS:

PRE SAMPLE DATE:

ACCURACY
SAMP. PRE V
. <b>G</b>
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FLC...A LANCAGE ...FIL. SUM.... DA.... SHEL.

PART A

TEACHING WEEKS:

PRE SAMPLE DATE:

POST SAMPLE DATE:

SPEED INCORRECT	R B	2.4460	5.18	00.	6.11 7.16	2.67 .94	5.66 2.17	1.54 .00	00.	*	1 \		00.		- FALL	The second secon
SPEED CORRECT	SEL. POST AIM RET. RC AIM	18.8	7.06	52.6 108	7.14 14.8	11.8.16.0	8.51 18.0	11.2 15.9	17.5 26.4	7.14	10.7		22.5	SCHOOL:	GRADE: FIRST	Teacher:
ACCURACY	PRE SEL. POST PRE %C AIM RET. %C RC	88.5	57.6	100 100	53.8 87.2	81.5 94.4	60.0	88.5 100	100 100	\$ 57.3	87.2	94.1	100		* 20% could not	do task
	ITEMS SAMP. PRE POST														1	• }
	FAROHF	21	10	20	13	10	9	10		10	10		10			
	F.L.P. CONCEPTS	BODY PARTS	RIGHT-LEFT	ROTE COUNTING	TIME	SIZE-QUANTITY	SHAPE	POSITION-DIRECT.	SAME-DIFF.	CLOCK TIME	NEGATION	LET./NUM. DISC.	COLOR	NAME:	AGE;	SEX:

ERIC Full Text Provided by ERIC

F. DA 3UAC 30F; St RY L SE.

PART B

TEACHING WEEKS:

PRE SAMPLE DATE:

	•					\$P
			ACCURACY	SPEED CORRECT		SPEED INCORRECT
F.L.P CONCEPTS	T A R O EH	ITEMS SAMP. PRE POST	PRE SEL. POST %C AIM RET. %C	PRE SEL, POST RC AIM RET. RC	ADULT NORM	PRE SEL. POST RE AIM RET RE
FIND LETTERS 26	Ç		74.9	7.78		2.60
SAY UPPER CASE 26	2.		76.7/	13.7		4.15
SAY LOWER CASE 26	5	٥	03.1	12.0		6.99
CASE	5		92.9	7.70,	See a see a	.58
COPY LOWER CASE 26	Ş		91.0	7.50	·	.70 .00
SAY LETTER SOUNDS 26			0.06	* 14.0		1.50
WRITE LETTERS 26			69.1	5.50/		2.45
READ WORDS 30			1.91/*	* 13.2		
READ TEXT			0.78/*	* 27.0		4.00
NAME NUMBERS 20			87.9 100	24.8		3.40
WRITE NUMBERS 10			62.8	6.25		3.70
COUNT OBJECTS 10			86.8/ /100	8.75		1.33
IDENT. NUMBERS 10			74.3	5.80		2.00
SAY ADDITION FACTS 18	370		*/100	* 11.0		*
WRITE ADDITION FACTS 18	6		*/100	* 8.90		·*
SAY SUBTRACTION FACTS 18			, 100	, 100		00.

SUMMARY DATA SHEET FLORIDA LANGUAGE PROFILE

PART A

TEACHING WEEKS:

PRE SAMPLE DATE:

POST SAMPLE DATE:

	-			ACCURACY	SPEED CORRECT		SPEED INCORRECT
F.L.P.		ITEMS	SAMP.	SEL. POST	EV SEL.		PRE A SEL. POST
CONCEPTS	O m F			%C AIM AIM	RC AIM RET. RC AIM AIM	NORM	RE / AIM RET. RE AIM
BODY PARTS 2	21			89.2	20.0		24.1
RIGHT-LEFT	10	_		29.8	3.45		8.10
ING	20			191	86.4		00
TIME	13			67	9.20		4.60
SIZE-QUANTITY 1	10			,81.5	11.8		2.67
SHAPE	9			56.8	8.77		6.67
POSITION-DIRECT. 1	10			89.9	12.3		1.39
SAME-DIFF.				100	18.8		00
	10			6.67	0.83		11.6
NEGATION 1	10			86.100	10.7		1.72
LET./NUM. DISC.				91.2	29.9		2.86
COLOR 1	10			100	, ,		00
NAME:					SCHOOL .	,	
AGE:				* > 20% could r		T - WINTER	£
SEX:				do task	Teacher:	1	

Teacher:



FIGURE STATES STATES SHOWN SHOWN

PART B

TEACHING WEEKS:

PRE SAMPLE DATE:

			2. edito.e	Spen CORPECT		Speed Incoppect
	,	ad religion to the second particular section of the second section of the section of t	, who were			
F.L.P CONCEPTS	H A R O HH	ITEMS SAMP. PRE POST	PRE SEL. POST %C AIM RET. %C	PRE SEL, POST RC AIM RET. RC	ADULT NORM	PRE/ SEL. POST RE AIM RET. RE
FIND LETTERS 2	26		73,100	8 014.0		3.0
	26		82,30	22.7		4.88
CASE	26		65 93.9	16.4		9.00
COPY UPPER CASE	26		95	9.50		0.50
CASE	56		90 100	9.50		1.00
SOUNDS	9		32	3.0		6.5
WRITE LETTERS 20	26			6.0		3.00
READ WORDS 36	30		35 77.4	6.0		4 🔪
READ TEXT			35,72	6.0		11.0
NAME NUMBERS 20	20		88.90	37.5		4.65
WRITE NUMBERS 10	10		68.1	/2		3.51
COUNT OBJECTS 10	10		86.00	8.42		1.37
IDENT. NUMBERS 10	10		71 100	5.0		2.0
ION FACTS	18		29 100	2.0		5.0
WRITE ADDITION FACTS 1	18		36.8	2.04		3.5
CTS	18		16	1.5	ï	8.0 ,



FLUALUA LANGUAGE PROFILE SUMMANY DAIN SHEDI

PART A

TEACHING WEEKS:

PRE SAMPLE DATE:

SPEED INCORRECT	ADULT PRE SEL. POST NORM RE AIM RET. RE	2,54	f.51 2.85	00	4.70	2.57	6.57	1.72	00.	9.62	2.00	1.72	00.			PRING	
SPEED CORRECT	PRE SEL. POST RC AIM RET. RC AIM AET.	21.6	7.10	86.9	10.0	14.9	10.7	14.9	24.1	4.51	13.2	36.4	32.1	·	SCHOOL:	not GRADE: FIRST - SPRING	sk Teacher:
ACCURACY	POST %C	. 89.4	52.1	100	68.00	85.2	61.9	86.0	100	30.1	86.8	95.3	100	•		* > 20% could not	do task
<b>}</b>	S SAMP.															( n= 35	
	ITEMS															1	1
	H A R D B H	21	10	20	13	OI.	9	10		10	10		10				
	F.L.P. CONCEPTS	BODY PARTS 2	RIGHT-LEFT 1	ROTE COUNTING 2	TIME 1	SIZE-QUANTITY I	SHAPE	POSITION-DIRECT. 1	SAME-DIFF.	CLOCK TIME 1	NEGATION 1	LET./NUM. DISC.	COLOR 1		NAME:	AGE:	SEX:



FLOTTA LAWGIAGE PROFILE SUPPLAY DAMA SHEET

PART B

TEACHING WEEKS:

PRE SAMPLE DATE:

			ACCURACY	SPEED CORRECT		SPEED INCORRECT
F.L.P CONCEPTS	T A R O EL	ITEMS SAMP. PRE POST	PRE SEL. POST %C AIM/RET. %C	PRE SEL, POST RC AIM RET. RC	ADUL T NORM	PRE SEL. POST RE AIM/RET. RE
FIND LETTERS 26	,5		85.4	10.5		1.79
SAY UPPER CASE 26	5		0016.68	30.5/67.5		3.42
SAY LOWER CASE 26	2		81.2	25.2/54.0		5.82/1.97
COPY UPPER CASE 26	5		93.8	9.0		.59
COPY LOWER CASE 26			91.7/	10.0/15.0		0.70
SAY LETTER SOUNDS 26			62.4	8.00/		4.82/
WRITE LETTERS 26	5		78.9/	7.50/		2.00,
READ WORDS 30	)		61.1	$\frac{11.0}{22.0}$		7.00
READ TEXT			55.5/	10.0/29.0	*.	8.00
NAME NUMBERS 20			93.1/100	45.5/		3.33/00
WRITE NUMBERS 10			83.3/	10.4/17.5		2.08/00
COUNT OBJECTS 10			86.9/100	10.9/12.9		1.50
IDENT. NUMBERS 10			80.1	6.00/8.70		1.49/00
SAY ADDITION FACTS 18	70		75.5/	7.00/		2.27
WRITE ADDITION FACTS 18	-		77.7/	5.00/		1.43
SAY SUBTRACTION FACTS 18	•		57.1/	4.00/		3.00

APPENDIX C



# TABLE

0 F

RATES

1 - 1 2 0 S E C O N D S

1 - 30 MOVEMENTS



<b>V.DV</b>							- 1	<del>-                                    </del>							
sec.	1	2	3	Ц	5	6	7	. 8	9	10	11	12	13	14	15
0:01	50.0	100.	150.	200.	250.	300.	350.	400.	450.	500.	550.	600.	650.	700.	750.
0:02	33-3	66.7	100.	133.	166.	200.	253.	266.	300.	333.	356.	400.	433.	466.	500.
0:03	20.0	40.0	60.0	80.0	100.	120.	140.	160.	180.	200.	220.	240.	260.	280.	300.
0:04	14.3	28.6	42.9	57.1	71.4	85.7	100.	114.	128.	142.	157.	171.	185.	200.	214.
0:05	12.5	25.0	37.5	50.0	62.5	75.0	87.5	100.	113.	125.	137.	150.	162.	175.	187.
0:06	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.	110.	120.	130.	140.	150.
0:07	8.33	16.7	25.0	33.3	41.7	50.0	58.3	66.7	75.0	83.3	91.7	100.	108.	116.	125.
0:08	7.70	15.3	23.0	30.7	38.5	46.1	53.9	61.5	69.2	76.9	84.6	92.3	100.	107.	115.
0:09	6.67	13.3	20.0	26.7	33.3	40.0	46.7	53-3	60.0	66.7	73.3	80.0	86.7	93-3	100.
0:10	5.88	11.8	17.6	23.5	29.4	35•5	41.2	47.1	52.9	58.8	64.7	70.6	76.5	82.4	88.2
0:11	5.56	11.1	16.7	22.2	27.8	33-3	38.9	44.4	50.0	55.5	61,1	66.7	72.2	77.8	83.3
0:12	5.00	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
0:13	4-55	9.09	13.6	18.2	22.7	27.3	31.8	36.3	40.9	45.4	50.0	54.5	59 <b>.0</b>	63.6	68.1
0:14	4-35	8.70	13.0	17.4	21.7	26.1	30.4	34.8	39.1	43.5	47.8	52.2	56.5	60.9	65.2
0:15	4.00	8.00	12.0	16.0	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0	56.0	60.0
0:16	3.79	7.40	11.1	14.8	18.5	22.2	25.9	29.6	33.3	37.0	40.7	44.4	48.1	51.8	55.6
0:17	3.57	7.14	10.7	14.3	17.9	21.4	25.0	28.6	32.1	35.8	39.3	42.9	46.4	50.0	53.6
0:18	3.33	6 67	10.0	13.3	16.7	20.0	23.3	26.7	30.0	33.3	36.7	40.0	43.3	46.7	50.0
0:19	3.13	6.25	9.38	12.5	15.6	18.7	21.8	25.0	28.1	31.2	34-4	37.5	40.6	43.7	46.8
0:20	3.03	6.05	9.09	12.1	15.1	18.2	21.2	24.2	27.3	30.3	33.3	36.4	39-4	42.4	45•4
0:21	2.86	5.71	8.57	11.4	14.3	17.1	20.0	22.9	25.7	28.6	31.4	34-3	37.1	40.0	<b>42.</b> 9
0:22	2.70	5.40	8.11	10.8	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.8	40.5
0:23	2.63	5.26	7.89	10.5	13.1	15.8	18.4	21.0	23.7	26.3	29.0	31.6	34.2	36.8	39.5
0:24	2.50	5.00	7.50	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
0:25	2.38	4.76	7.14	9-52	11.9	14.3	16.7	19.0	21.4	23.8	26.2	28.6	31.0	33-3	35.7
0126	2.33	4.65	6.98	9.30	11.6	13.9	16.3	18.6	20.9	23.3	25.6	27.9	30.2	32.6	34.8
0:27	2.17	4.35	6.52	8.70	10.8	13.0	15.2	17.4	19.6	21.7	24.0	26.0	28.3	30.4	32.6
9:28	2.13	4.26	6.38	8.51	10.6	12.7	14.9	17.0	19.1	21.3	23.4	25.5	27.6	29.8	31.9
0:29	++	4.17	6.25	8.33	10.4	12.5	14.6	16.7	18.7	20.8	22.9	25.0	27.0	29.2	31.2
L		4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0
ERIC Full Text Provided by Et	RIC		-				1			•					

VOM.		1		Γ	I	<u> </u>		T —	Ī			Ī	1	T	
SEC.	16	1.7	18	19	20	21	22	23	214	25	26	27	28	29	30
0:01	800.	850.	900.	950.	1000					:					
0:02	533.	566.	600.	633.	666.					<u> </u>					
0:03	320.	3l,0.	360.	380.	400:										
0:01	228.	275.	257•	271.	285.	300.	314.	329.	343•	357.	371.	386.	401.		
0:05	200.	212.	225.	237.	250.	263.	275.	288.	300.						
0:06	160.	1.70	180.	190.	200.	210.	220.	230.	240.	250.	260.	270.	280.	290.	300.
0:07	133.	141.	150.	158.	167.	175.	183.	192.	200.	208.	217.	225.	233.	242.	250.
0:08	123.	130.	138.	146.	154.	162.	169.	177.	185.	192.	200.	208 •	215.	223.	231.
0:09	106.	113.	120.	126.	133.	140.	147.	153.	160.	167.	173.	180.	187.	193.	200.
0:10	94.1	100.	105.	112.	118.	124.	129.	135.	щ.	147.	153.	159.	165.	171.	176.
0:11	88.9	94.4	100.	105.	111.	117.	122.	128.	133.	139.	144.	150.	156.	i61.	167.
0:12	80.0	85.0	90.0	95.0	100.	105.	110.	115.	120.	135.	130.	135.	140.	145.	150.
0:13	72.7	77.3	81.8	8 <b>6 .</b> lı	90.9	95.5	100.	105.	109.	114.	118.	123.	127.	132.	136.
0:1h	69.6	73.9	78.3	82.6	86.9	91.3	95.7	100.	104.	109.	113.	117.	122.	126.	130.
0:15	64.0	68.0	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.	104.	108.	112.	116.	120.
0:16	59.3	62.9	66.7	70.4	74.1	77.8	81.5	85.2	88.9	92.6	96,3	100.	104.	107.	111.
0:17	57.1	60.7	64.3	67.9	71.4	75.0	78.6	82.1	85.7	89.3	92.9	96.4	100.	104.	107:
0:18	53.3	56.7	60.0	63 •3	66.7	70.0	73.3	76.7	80.0	83.3	86.7	90.0	93.3	96.7	100.
C:19	50.0	53.1	56.2	59.4	62.5	<b>6</b> 5.6	<b>68.</b> 8	71.9	75.0	78.1	81.3	84.4	87.5	90.6	93.8
0:20	1,8.5	51.5	54.5	57.6	60.6	63.6	66.7	69.7	72.7	75.8	78.8	81.9	84.8	87.9	90.9
0:21	45.7	48.6	51.4	54.3	57.1	60.1	62.9	65.8	68.6	71.5	74.4	77.2	80.1	82.9	85.8
0:22	43.2	46.0	48.6	51.3	54.0	56.8	59.5	62.2	64.9	67.6	70.3	73.0	75.7	78.4	81.1
0:23	42.1	կև.7	47.4	50.0	52.6	55.3	57.9	60.5	63.2	65.8	68.4	791	73.7	76.3	78.9
0:24	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	57.5	70.0	72.5	75.0
0:25	38.1	40.5	42.9	45.2	47.6	50.0	52.4	54.8	57.1	59.5	61.9	61,.3	66.7	69.0	71.1.
0:36	37.2	39.5	41.8	1414.2	46.5	50.0	51.2	53.5	55.8	58.1	60.5	62.8	65.1	67.4	69.8
0:27	318	36.9	39.1	41.3	43.5	45.7	47.8	50.ů	52.2	5l1.3	56.5	58.7	60.9	63.0	65.2
0:28	311.0	36.2	38.3	40.4	42.5	141.7	46.8	48.9	51.1	53.2	55.3	57.h	59.6	61.7	63.8
0:20	33.3	35.h	37.5	39.6	1,1.7	43.8	45.8	47.9	50.0	52.1	54.2	56.3	59.3	60.1	62.4
RIC .	32.0	34.0	36.0	38.0	40.0	h2.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0

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MOU SEC.	1	_2	3_	4	5	6	7	8	9	10	11	12	13	14	15
0:31	1.92	3.85	5.77	7.69	9.62	11.5	13.5	15.4	17.3	19.2	21.1	23.1	25.0	26.9	28.8
0:32	1.89	3.77	5.66	7.55	9.43	11.3	13.2	15.0	16.9	18.9	20.7	22.6	24.5	26.4	28.3
0:33	1.79	3.57	5.36	7.14	8.93	10.7	12.5	14.3	16.0	17.9	19.6	21.4	23.2	25.0	26.9
0:34	1.75	3.51	5.26	7.02	8.77	10.5	12.3	14.0	15.8	17.5	19.3	21.0	22.8	24.6	26.3
0:35	1.72	3.45	5.17	6.90	8.62	10.3	12.0	13.8	15.5	17.2	19.0	20.7	22.4	24.1	25.8
0:36	1.67	3.33	5.00	6.67	8.33	10.0	11.6	13.3	15.0	16.7	18.3	20.0	21.7	23.3	25.1
0:37	1.61	3.23	4.84	6.45	8.06	9.68	11.3	12.9	14.5	16.1	17.7	19.3	21.0	22.6	24.2
0:38	1.59	3.17	4.76	6.35	7.94	5.52	11.1	12.7	14.3	15.9	17.5	19.0	20.6	22 .2	23.9
0:39	1.54	3.08	4.61	6.15	7.69	9.23	10.8	12.3	13.8	15.4	16.9	18.5	20.0	21.5	23.1
0:40	1.49	2.99	4.48	5.97	7.46	8.96	10.4	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4
C:41	1.47	2.94	4.41	5.88	7-35	8.82	10.3	11.8	13.2	14.7	16.2	17.6	19.1	20.6	22.1
0:42	1. <b>4</b> 3	2.86	4.29	5-71	7 - 14	8.57	10.0	11.4	12.9	14.3	15.7	17.1	18.6	20.0	21.5
0:43	1.39	2.78	4.17	5.56	6.94	8.33	9.72	11.1	12.5	13.9	15.3	16.7	18.1	19.4	20.9
D:777	1.37	2.714	4.11	5.48	6.85	8.22	9.59	10.9	12.3	13.7	15.0	16.4	17.8	19.2	20.6
0:45	1.33	2.67	4.00	5.33	6.67	8.00	9.33	10.7	12.0	13.3	14.7	16.0	17.3	18.7	20.0
0:46	1.30	2.60	3.90	5.19	6.49	7.80	9.09	10.4	11.7	12.9	14.3	15.6	16.8	18.2	19.5
0:47	1.28	2.56	3.85	5.13	6.41	7.70	8.97	10.2	11.5	12.8	14.1	15.4	16.7	17.9	19.2
0:48	1.25	2.50	3.75	5 <b>.0</b> 0	6.25	7.50	8.75	10.0	11.2	12.5	13.7	15.0	16.2	17.5	18.8
0:49	1.22	بلبا. 2	3.66	4.88	6.10	7.31	8.54	9.76	11.0	12.2	13.4	14.6	15.8	17.0	18.3
0:50	1.20	2.41	3.61	4.82	6.02	7.23	8.43	9.64	10.8	12.0	13.2	ц.5	15.6	16.9	18.0
0:51	1.18	2.35	3.53	4.71	5.88	7.06	8.24	9.41	10.6	11.8	13.0	14.1	15.3	16.5	17.7
0:52	1.15	2.30	3.45	4.60	5.75	6.90	8.05	9.20	10.3	11.5	12.6	13.8	14.9	16.1	17.3
0:53	1.14	2.27	3.41	4.55	5.68	6.81	7.95	9.09	10.2	11.4	12.5	13.6	14.8	15.9	17.1
0:54	1.11	2.22	3.33	4.44	5.56	6.67	7.78	8.87	10.0	11.1	12.2	13.3	14.4	15.6	16.7
p:55	1.09	2.17	3.26	4.35	5.43	6.52	7.61	8.70	9.78	10.9	12.0	13.0	14.1	15.2	15.4
0:56	1.08	2.15	3.23	4.30	5.38	6.45	7.53	8.60	9.68	10.7	11.8	12.9	14.0	15.0	16.2
0:57	1.05	2.11	3.16	4.21	5.26	6.32	7.37	8.42	9.47	10.5	11.6	12,•6	13.7	14.7	15.8
0:58	1.03	2.06	3.09	4.12	5.15	6.19	7.22	8.25	9.28	10.3	11.3	12.4	13.4	34.4	15.5
0:59	1.02	2.04	3.06	4.08	5.10	6.12	7.11	8.16	9.18	10.2	11.2	12.2	13.3	14.3	15.3
1:00	1.00	2.00	3.00	4.00	5.00	6.00	7.50	8.00	9.00	10.0	11.0	12.0	13.0	14.0	15.0



MOU SEC:	16	17	18	19	20	21	22	23	24	25	.26	27	28	29	30
0:31	30.8	32.7	34.6	36.5	38.5	40.4	42.3	叶-5	46.2	48.1	50.0	51.9	53.8	55.8	57.7
0:32	30.2	32.1	34.0	35.8	37.7	39.6	43.5	43.4	45.3	47.2	49.1	50.9	52.8	54.7	56.6
0:33	28.6	30.4	32.1	33.9	35.7	37.5	39.3	41.1	42.9	<b>Ы</b> .6	46.4	48.2	50.0	51.8	53.6
0:34	28.1	29.8	31.6	33.3	35.1	36.8	38.6	40.4	42:1	43.9	45.6	47 -4	49.1	50.9	52.6
0:35	27.6	29.3	31.0	32.8	34.5	36.2	37.9	39.7	42.4	43.1	144.8	46.6	48.3	50.0	51.7
0:36	26.7	28.3	30.0	31.7	33.3	35.0	36.7	38.3	40.0	41.7	43.3	45.0	46.7	48.3	50.0
0:37	25.8	27.4	29.0	30.6	32.3	33.9	35.5	37.1	38.7	40.3	41.9	43.5	45.2	46.8	48.4
0:38	25.4	27.0	28.6	30.2	31.7	33.3	34.9	36.5	38.1	39.7	41.3	42.9	141;-14	46.0	47.6
0:39	24.6	26.2	27.7	29.2	30.8	32.3	33.8	35.4	36.9	38.5	40.0	41.5	43.1	44.6	46.2
0:40	23.9	25.l,	26.9	28.4	29.9	31.3	32.8	34.3	35.8	37.3	38.8	40.3	41.8	43.3	8. بلیا
0:41	23.5	25.0	26.5	27.9	29.4	30.9	32.4	33.8	35.3	36.8	38.2	39.7	41.2	42.6	44.1
0:42	22.9	24.3	25.7	27.1	28.6	30.0	31.4	32.9	34-3	35.7	37.1	38.6	40.0	41.4	42.9
0:43	22.2	23.6	25.0	26.4	27.8	29.2	30.6	31.9	33.3	34.7	36.1	37.5	38.9	40.3	41.7
0:14	21.9	23.3	24.7	26.0	27.4	28.8	30.1	31.5	32.9	34.2	35.6	37.0	38.4	39.7	41.1
0:45	21.3	22.7	24.0	.25•3	26.7	28.0	29.3	30.7	32.0	33.3	34.7	36.0	37.3	38.7	40.0
0:46	20.8	22.1	23.4	24.7	26.0	27.3	28.6	29.9	31.2	32.5	33.8	35.1	36.4	37.7	39.0
0:47	20.5	21.8	23.1	24.4	25.6	26.9	28.2	29.5	30.8	32.1	33.3	34.6	35.9	37.2	38.5
0:48	20.0	21.3	22.5	23.8	25.0	26.3	27.5	28.8	30.0	31.3	32.5	33.8	35.0	36.3	37.5
0:49	19.5	20.7	21.9	23.2	24.4	25.6	26.8	28.0	29.3	30.5	31.7	32.9	34.1	35.4	36.6
0:50	19.3	20.5	21.7	22.9	24.1	25.3	26.5	27.7	28.9	30.1	31.3	32.5	33.7	34.9	36.1
0:51	18.8	20.0	21.2	22.4	23.5	24.7	25.9	27.1	28.2	29.4	30.6	31.8	32.9	34.1	35.3
0:52	18.4	19.5	20.7	21.8	23.0	24.1	25.3	26.4	27.6	28.7	29.9	31.0	32.2	33.3	34.5
0:53	18.2	19.3	20.5	21.6	22.7	23.9	25.0	26.1	27.3	28.4	29.5	30.7	31.8	32.9	34.1
0154	17.8	18.9	20.0	21.1	22.2	23.3	24.4	25.6	26.7	27.8	28.9	30.0	31.1	32.2	33.3
7.55	17.4	18.5	19.6	20.7	21.7	22.8	23.9	25.0	26.1	27.1	28.3	29.3	30.1	31.5	32.6
	17,2	18.3	19.4	20.4	21.5	22.6	23.7	24.7	25.8	26.9	27.9	29.0	30.1	31.2	32.3
0:57	16.8	37.9	18.9	20.0	21.1	22.1	23.2	24.2	25.3	26.3	27.4	28.4	29.5	30.5	31.6
1.5	16.5	17.5	18.6	19.6	20.6	21.6	22.7	23.7	24.7	25.8	26.8	27.8	28.9	29.9	30.9
0:59	16.3	17.3	18.4	19.4	20.4	21.4	22.4	23.5	24.5	25.5	26.5	27.5	28.6	29.6	30.6
1:00	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0
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SEC.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1:01	.980	1.96	2.94	3.92	4.90	5.88	6.86	7.84	8.82	9.80	10.8	11.8	12.7	13.7	14.7
1:02	.971	1.94	2.91	3.88	4.85	5.82	6.79	7.76	8.73	9.70	10.7	11.7	12.6	13.6	14.6
1:03	-952	1.90	2.86	3.81	4.76	5.71	6.67	7.62	8.57	9.52	10.5	11.4	12.4	13.3	14.3
1:04	.935	1.87	2.80	3.74	4.67	5.60	6.54	7.48	8.41	9.35	10.3	11.2	12.1	13.0	14.0
1:05	.926	1.85	2.78	3.70	4.63	5.56	6.48	7.41	8.33	9.26	10.2	11.1	12.0	12.9	13.9
1:06	.909	1.82	2.73	3.6L	4.55	5.45	6.36	7.27	8.18	9.09	10.0	10.9	11.8	12.7	13.6
1:07	.893	1.79	2.68	3 - 57	4.46	5.36	6.25	7.14	8.04	8.93	9.82	10.7	11.6	12.5	13.4
1:08	-885	1.77	2.65	3.54	4.42	5.31	6.19	7.08	7.96	8.85	9•73	10.6	11.5	12.4	13.3
1:09	<b>.</b> 869	1.74	2.61	3 - 48	4.35	5.22	6.09	6.96	7.83	8.69	9.57	10.4	11.3	12.2	13.0
1:10	.855	1.71	2.56	3.42	4.27	5.13	5.98	6.84	7.69	8.55	9.40	10.3	11.1	12.0	12.8
1:11	.847	1.69	2.54	3.39	4.24	5.08	5.93	6.78	7.63	8.47	9.32	10.2	11.0	11.9	12.7
1:12	.833	1.67	2.50	3.33	4.17	5.00	5.83	6.67	7.50	8.33	9.17	10.0	10.8	11.7	12.5
1:13	.819	1.64	2.46	3-28	և.10	4.92	5.74	6.56	7.38	8.20	9.02	9.84	10.7	11.5	12.3
1:14	.813	1.63	المال 5	3.25	4.07	4.89	5.69	6.50	7.32	8.13	8.94	9.76	10.6	11.4	12.2
1:15	.800	1.60	2.40	3.20	4.00	4.80	5.60	6.40	7.20	8.00	8.80	9.60	10.4	11.2	12.0
1:16	.787	1.57	2.36	3.15	3.94	4.72	5.51	6.30	7.09	7.87	8.66	9.45	10.2	11.0	11.8
1:17	.781	1.56	2.34	3.13	3.91	4.69	5-47	6.25	7.03	7.81	8.59	9.37	10.2	10.9	11.7
1:18	.769	1.54	2.31	3.08	3.85	4.62	5.38	6.15	6.92	7.69	8.46	9.23	10.0	10.8	11.5
1:19	.758	1.51	2.27	3.03	3.78	4.54	5.30	6.06	6.82	7.58	8.33	9.09	9.85	10.6	11.4
1:20	.752	1.50	2.26	3.01	3.76	4.51	5.26	6.02	6.77	7.52	8.27	9.02	9.77	10.5	11.3
1:21	-741	1i <sub>4</sub> 8	2.22	2.96	3.70	և . ևև	5-19	5.93	6.67	7.41	8.15	8.89	9.63	10.4	11.1
1:22	-730	1.46	2.19	2.92	3.65	4.38	5.11	5.84	6.57	7-30	8.03	8.76	9.49	10.2	10.9
1:23	.725	1.45	2.17	2.90	3.62	4-35	5.07	5.80	6.52	7.25	7.97	8.69	9.42	10.1	10.9
1:24	-714	1.43	2.14	2.86	3.57	4.28	5.00	5.71	6.43	7-14	7.86	8.57	9.28	10.0	10.7
1:25	.704	1.41	2.11	2.82	3.52	4.23	4.93	5.63	6.34	7.04	7.75	8.45	9.15	9.86	10.6
1:26	.699	1.40	2.09	2.80	3.50	4.20	4 -90	5.60	6.29	6.99	7.69	8.39	9.09	9.79	10.5
1:27	,.685	1.37	2.05	2.74	3.42	4-11	4.79	5.48	6.16	6.85	7.53	8.22	8.90	9.59	10.3
1:28	.680	1.36	2.04	2.72	3.40	4.08	4.76	5-HH	6.12	6.80	7.48	8.16	8.84	9.52	10.2
1:29	.676	1.35	2.03	2.70	3.38	4.05	4-73	5.40	.6.08	6.76	7.43	8.11	8.78	9.46	10.1
ERIC	.667	1.33	2.00	2.67	3.33	4.00	4.67	5.33	6.00	6.67	7.33	8.00	8.67	9-33	10 <sup>1</sup> .0

sec.	16	17	18	19	20	21	. 22	23	24	25	26	27	28	29	30
1:01	15.7	16.7	17.6	18.6	19.6	20.6	21.6	22.5	23.5	24.5	25.5	26.5	27.5	28.4	29.4
1:02	15.5	16.5	17.5	18.4	19.4	20.4	21.4	22.3	23.3	24.3	25.2	26.2	<b>27.</b> 2	28.2	29.1
1:03	15.2	16.2	17.1	18.1	19.0	20.0	20.9	21.9	22.9	23.8	24.8	25.7	26.	27.6	28.6
1:04	24.9	15.9	16.8	17.8	18.7	19.6	20.6	21.5	22.4	23.4	24.3	25.2	26.2	27.1	28.0
1:05	14.8	15.7	16.7	17.6	18.5	19.4	20.3	21.3	22.2	23.1	24.1	25.0	25.9	25.9	27.8
1:06	14.5	15.4	16.3	17.3	18.2	19.1	20.0	20.9	21.8	22.7	23.6	24.5	25.4	26.4	27.3
1:07	14.3	15.2	16.1	17.0	17.9	18.7	19.6	20.5	21.4	22.3	23.2	24.1	25.0	25.9	26.8
1:08	14.2	15.0	15.9	16.8	17.7	18.6	19.5	20.4	21.2	22.1	23.0	23.9	24.8	25.7	26.5
1:09	13.9	14.8	15.7	16.5	17.4	18.3	19.1	20.0	20.9	21.7	22.6	23.5	24.3	25.2	26.1
1:10	13.7	14.5	15.4	16.2	17.1	17.9	18.8	19.7	20.5	21.4	22.2	23.1	23.9	24.8	25.6
1:11	13.6	14.4	15.3	16.1	16.9	17.8	18.6	19.5	20.3	23.2	22.0	22.9	23.7	24.8	25.4
1:12	13.3	14.2	15.0	15.8	16.7	17.5	18.3	19.2	20.0	20.8	21.7	22.5	23.3	24.2	25.0
1:13	13.1	13.9	14.8	15.6	16.4	17.2	18.0	18.9	19.7	20.5	21.3	22.1	22.9	23.8	24.6
1:14	13.0	13.8	14.6	15.4	16.3	17.1	17.9	18.7	19.5	20.3	21.1	21.9	22.8	23.6	24.4
1:15	12.8	13.6	14.4	15.2	16.0	16.8	17.6	18.4	19.2	20.0	20.8	21.6	22.5	23.4	24.0
1:16	12.6	13.4	J)+.2	15.0	15.7	16.5	17.3	18.1	18.9	19.7	20.5	21.3	22.0	22.8	23.6
1:17	12.5	13.3	14.1	14.8	15.6	16.4	17.2	18.0	18.7	19.5	20.3	21.i	21.9	22.7	23.4
1:18	12.3	13.1	13.8	14.6	15.4	16.2	16.9	17.7	18.5	19.2	20.0	20.8	21.5	22.3	23.1
1:19	12.1	12.9	13.6	14.4	15.2	15.9	16.7	17.4	18.2	18.9	19.7	20.5	21.2	22.0	22.7
1:20	12.0	12.8	13.5	14.3	15.0	15.8	16.5	17.3	18.0	18.8	19.5	20.3	21.1	21.8	22.6
1:21	11.8	12.6	13.3	14.1	14.8	15.6	16.3	17.0	17.8	18.5	19.3	20.0	20.7	21.5	22.2
1:22	11.7	12.4	13.1	13.9	14.6	15.3	16.1	16.8	17.5	18.2	19.0	19.7	20.4	21.2	21.9
1:23	11.6	12.3	13.0	13.8	14.5	15.2	15.9	16.7	17.4	18.1	18.8	19.6	20.3	21.0	21.7
1:24	11.4	12.1	12.8	13.6	14.3	15.0	15.7	16.4	17.1	17.8	18.6	19.3	20.0	20.7	21.4
1:25	11.3	12.0	12.7	13.4	14.1	14.8	15.5	16,2	16.9	17.6	18.3	19.0	19.7	20.4	21.1
1:26	11.2	11.9	12.6	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6	20.3	21.0
1:27	10.9	11.6	12.3	13.0	13.7	14.4	15.1	15.7	16.4	17.1	17.8	18.5	19.2	19.9	20.5
1:28	10.9	11.6	12.2	12.9	13.6	14.3	15.0	15.6	16.3	17.0	17.7	18.4	19.0	19.7	20.4
1:29	10.8	11.5	12.2	12.8	13.5	14.2	14.9	15.5	16.2	16.9	17.6	18.2	18.9	19.6	20.3
1:30	10.7	11.3	12.0	12.7	13.3	171.0	14.7	15.3	16.0	16.7	17.3	18.0	18.7	19.3	20.0
<u> </u>	<u> </u>	<u> </u>	1	<u>i                                    </u>		<u> </u>	<u> </u>	نـــــــــــــــــــــــــــــــــــــ				L	<u> </u>		

ERIC Full faxt Provided by ERIC

Mov		<u> </u>				1			_		1	]			
SEC.	1	2	3	4	5	6	7	8	9	10	-11	-12	13	14	15
1:31	<b>.6</b> 58	1.32	1.97	2.63	3.29	3.94	4.61	5.26	5.92	6.58	7.24	7.89	8.55	9.21	9.87
1:32	.654	1.31	1.96	2.61	3.27	3.92	4.57	5.23	5.88	6.54	7.19	7.84	8.50	9.15	9.80
1:33,	<b>-641</b> ,	1.28	1.92	2.56	3.20	3.85	4.49	5.13	5.77	6.41	7.05	7.69	8.33	8.97	9.61
1:3h	.637	1.27	1.91	2.55	3.18	3.82	4.46	5.10	5.73	6.37	7.01	7.64	8.28	8.92	9.55
1:35	.633	1.26	1.90	2.53	3.16	3.80	4.43	5.06	5.70	6.33	6.96	7.59	8.23	8.86	9.49
1:36	<b>.6</b> 25	1.25	1.88	2.50	3.13.	3.75	4.38	5.00	5.63	6.25	6.88	7.50	8.13	8.75	9.38
1:37	.617	1.23	1.85	2.47	3.09	3.70	4.32	4.94	5.56	6.17	6.79	7.41	8.02	8.64	9.26
1:33	.613	1.23	1.84	2.45	3.07	3.68	4.29	4.91	5.52	6.13	6.75	7.36	7.98	8.59	9.20
1:39	1.506	1.21	1.82	2.42	3.03	3.64	4.24	4.85	5.45	6.06	6.67	7.27	7.88	8.48	9.09
1:40	•599	1.20	1.80	2.40	2.99	3 • 59	4.19	4.79	5.39	5.99	6.59	7.19	7.78	8.38	8.98
1:41	<b>.</b> 595	1.19	1.79	2.38	2 <b>.9</b> 8	3 • 57	4.17	4.76	5.36	5.95	6.55	7.14	7.74	8.33	8.93
1:42	·588	1.18	1.76	2 <b>.3</b> 5	2.94	3.53	4.12	4.71	5.29	5.88	6.47	7.06	7.65	8.23	8.82
1:43	.581	1.16	1.7h	2.3 <b>3</b>	2.91	3.49	4.07	4.65	5 <b>.</b> 23	5.81	6.39	6.98	7.56	8-14	8.72
1:44	.578	1.16	1.73	2.31	2 <b>.9</b> 0	3.47	4.05	4.62	5.20	5.78	6.36	6.94	7.51	8.09	8.67
1:45	.571	1.14	1.71	2.29	2 <b>.86</b>	3.43	4.00	4.57	5.14	5.71	6.29	6.86	7.43	8.00	8.57
1:46	.564	1.13	1.69	2.26	2.82	3.39	3.95	4.52	5.08	5.64	6.21	6.78	7.34	7.90	8.47
1:47	.561	1.12	1.68	2.25	2.81	3-37	3393	4.49	5.06	5.61	6.18	6.74	7-30	7.87	8.43
1:48	.556	1.11	1.67	2.22	2.78	3 • 33	3.89	4-44	5.00	5.56	6.11	6.67	7.22	7 - 78	9.44
1:49	-549	1.10	1.65	2.20	2.75	3.30	3.85	4.40	4.95	5.49	6.04	6.59	7.14	7.69	8.24
1:50	.546	1.09	1.64	2.19	2.73	3.28	<b>3.8</b> 2	4.37	4.92	5.46	6.01	6.56	7.10	7.65	8.20
1:51	.540	1.08	1.62	2.16	2.70	3.24	2.78	4.32	4.86	5.40	5.95	6.49	7.03	7.57	8.11
1:52	•534	1.07	1.60	2.14	2.67	3.21	3.74	4.28	4.81	5.34	5.88	6.42	6.95	7.49	8.02
1:53	.531	1.06	159	2.13	2.66	3.19	3.72	4.26	4.79	5.31	5.85	6.38	6.91	7.45	7.98
1:54	.526	1.05	1.58	2.10	2 <b>.63</b>	3.16	3.68	4.21	4.73	5.26	5-79	6.32	6.84	7.36	7.89
1:55	.521	1.04	1.56	2.08	2.60	3.13	3.65	4.17	4.69	5.21	5.73	6.25	6.77	7.29	7.81
1:56	.518	1.01;	1.55	2.07	2.59	3.11	3.63	4.15	4.66	5.18	5.70	6.22,	6.73	7.25	<b>7.</b> 77
1:57	.512	1.03	1.54	2.05	2.56	3.08	3.59	4.10	4.62	5.12	5.64	6.15	6.67	7.18	7.69
1:58	•508	1.02	1.52	2.03	2.54	3.05	3.55	4.06	4.57	5.08	<b>5.58</b>	6.09	<b>5.</b> 60	7.11	7.61
1:59	.505	1.01	1.52	2.02	2.53	3.03	3.53	4.04	4.54	5.05	5.56	6.06	6.57	7.07	7.58
EDIC	500	1.00	1.50	2.00	2.50	3.00	3.50	14.00	4.50	5.00	5.50	6.00	6.50	7. Ю	7.50
ERIC				-		7				:			<del></del>		

16	17	18	19	20	21	2.2	23	24	25	26	27	28	29,	3Ó
0.5	11.2	11.8	12.5	13.1	13.8	14.5	15.1	15.8	16.4	17.1	17.8	18.4	19.1	19:
0.4	11.1	11.8	12.4	13.1	13.7	24.4	15.0	15.7	16.3	17.0	17.6	18.3	18.9	19.
0.3	10.9	11.5	12.2	12.8	13.5	14.1	14.7	15.4	16.0	16.7	17.3	17.9	18.6	19.
0,2	10.8	11.5	12.1	12.7	13.4	과.0	14.6	15.3	15.9	16.6	17.2	17.8	18.5	19.
0.1	10.8	11.4	12,0	12.7	13.3	13.9	14.5	15.2	15.8	16.5	17.1	17.7	18.4	19.
0.0	10.6	11.3	11.9	12.5	13.1	13.8.	34.4	15.0	15.6	16.3	16.9	17.5	18.1	18.
-88	10.5	11.1	11.7	12.3	13.0	13.6	14.2	14.8	15.4	16.0	16.7	17.3	17.9	18.
.82	10.4	11.0	11.7	12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.6	17.2	17.8	18.
.70	10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.5	15.2	15.8	16.4	17.0	17.6	18.
-58	10.2	10.8	11.4	12.0	12.6	13.2	13.8	371-71	15.0	15.6	16.2	16.8	17.4	18.
.52	10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.3	17
·41	10.0	10.6	11.2	11.8	12.4	12.9	13.5	14.1	14.7	15.3	15.9	16.5	17.1	17
30	9.88	10.5	11.0	11.6	12.2	12.8	13.4	13.9	ग्र-5	15.1	15.7	16.3	16.9	17
2.25	9.83	10.4	11.0	11.5	12.1	12.7	13.3	13.9	14.5	15.0	15.6	16.2	16.8	17
3.77	9.71	10.3	10.9	11.4	12.0	12.6	13.1	13.7	14.3	14.9	15.4	16.0	16.6	17
9.04	9.60	10.2	10.7	11.3	11.9	12.4	13.0	13.6	14.1	14.7	15.3	15.8	16.4	16
3.99	9.55	10.1	10.7	11.2	11.8	12.4	12.9	13.5	邓.0	14.6	15.2	15.7	16.3	16
3.89	٢44 و	10.0	10.6	11.1	11.7	12.2	12.8	13.3	13.9	24.4	15.0	15.6	16.1	16
8.80	9 - 34	9.89	10.4	11.0	11.5	12.1	12.6	13.2	13.7	14.3	-14.8	15.4	<sup>-</sup> 15 <b>.</b> 9	16
3.74	9.29	9.84	10.4	10.9	11.5	12.0	12.6	13.1	13.7	14.2	14.8	15.3	15.8	16
3.65	9.19	9.73	10.3	10.8	11.4	11.9	12.4	13.0	13.5	14.1	14.6	15.1	15.7	16
3.56	9.09	9.63	10.2	10.7	11.2	11.8	12.3	12.8	13.4	13.9	14.4	15.0	15.5	16
8.51	9.04	9.57	10.1	10.6	11.2	11.7	12.2	12.8	13.3	13.8	14.4	14.9	15.4	15
3.42	8.95	9-47	10.0	10.5	11.1	11.6	12.1	12.6	13.2	13.7	14.2	14.7	15.3	15
8.33	8.85	9.37	9.90	10:4	10.9	11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.1	15
8.29	8.81	9.33	9.84	10.4	10.9	11.4	11.9	12.4	12.9	13.5	과.0	14.5	15.0	15
8.21	8.72	9.23	9.74	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15
8.12	8.63	9.14	9.64	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15
8.08	8.59	9.09	9.60	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15
8.00	8.50	9.00	9.50	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0		15
8.08		8.59	8.59 9.09	8.59 9.09 9.60	8.59 9.09 9.60 10.1	8.59 9.09 9.60 10.1 10.6	8.59     9.09     9.60     10.1     10.6     11.1       8.50     9.00     9.50     10.0     10.5     11.0	8.59     9.09     9.60     10.1     10.6     11.1     11.6       8.50     9.00     9.50     10.0     10.5     11.0     11.5	8.59     9.09     9.60     10.1     10.6     11.1     11.6     12.1       8.50     9.00     9.50     10.0     10.5     11.0     11.5     12.0	8.59     9.09     9.60     10.1     10.6     11.1     11.6     12.1     12.6       8.50     9.00     9.50     10.0     10.5     11.0     11.5     12.0     12.5	8.59     9.09     9.60     10.1     10.6     11.1     11.6     12.1     12.6     13.1       8.50     9.00     9.50     10.0     10.5     11.0     11.5     12.0     12.5     13.0	8.59     9.09     9.60     10.1     10.6     11.1     11.6     12.1     12.6     13.1     13.6       8.50     9.00     9.50     10.0     10.5     11.0     11.5     12.0     12.5     13.0     13.5	8.59 9.09 9.60 10.1 10.6 11.1 11.6 12.1 12.6 13.1 13.6 14.1 8.50 9.00 9.50 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0	8.59 9.09 9.60 10.1 10.6 11.1 11.6 12.1 12.6 13.1 13.6 14.1 14.6 8.50 9.00 9.50 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5

APPENDIX D



er ect	 	1	Ny sami	<b>.</b>	\ <b>.</b>		3	FLORIDA LANGAUGE PROFILE ACCURACY (%C) TABLE													
Number Correct	40	39	38	37	36	пр сес 	34	33	32	31_	30	29	28	27	26_	25	24	23	22	21	20_
30	75	77	79	81	83	86	88	91	94	97	100										
29	73	74	76	78_	81	83	85	88	91	94	97	100		<u></u>							
28	70	72	74	76	78	80	82	85	88	90	93	97	100								
27	68	69	71	73	75	77	79	82	84	87	90	93	96	100			-				
26	65	67	68	70	72	74	76	79	81	84	87	90	93	96	100						
25	63	64	66	68	69	71	74	76	78	81 `	83	86	89	93	96	100					
24	60	62	63	65	67	69	71	73	75	77	80	83	86	89	92	96	100				
23	58	59	61	62	64	66	68	70	72	74	77	79	82	85	88	92	96	100	,		
22	55	56	58	59	61	63	65	67	69	71	73	76	79	81	85	88	92	96	100		$\neg$
21	53	54	55	57	58	60	62	64	66	68	70	72	75	78	81	84	88	91	95	100	
20	50	51	53	54	56	57	59	61	63	65	67	69	71	74	77	80	83	87	91	95	100
19	48	49	50	51	53	54	56_	58	59	61	63	66	68_	70	73	76	79	83_	86	90	95
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